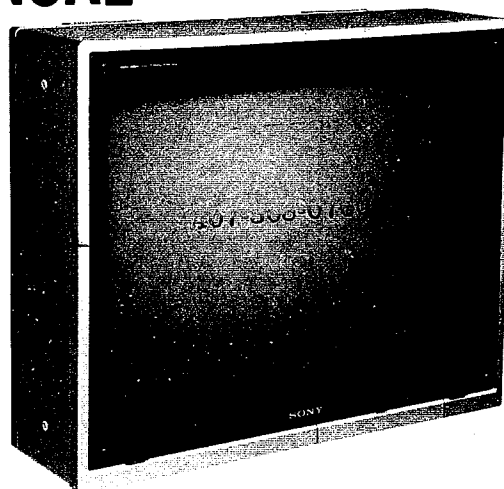


2426

*Electronics
World***KX-2501A****SERVICE MANUAL***US Model**Chassis No. SCC-383B*

ELECTRONICS WORLD
 920 N. DIXIE HWY
 BOCA RATON, FL 33432
 407-368-0760

May, 1983

HF CHASSIS**This manual contains the supplement No. 1.**

The adjustment procedures are not contained in this manual.

When performing the adjustments, refer to the separate-volume "ADJUSTMENT MANUAL".

SPECIFICATIONS

Color system	NTSC	Output	SPEAKER
Picture tube	Trinitron tube	Power requirements	Accepts speakers of 8-16 ohms
	25-inch picture measured diagonally, 114-degree deflection	Power consumption	120V ac, 60 Hz
			180 W (max.) 132 W (average)
Inputs	VIDEO INPUT (phono jack)		1.8 (in standby condition)
	1 V p-p, NTSC, 75 ohms, unbalanced, sync negative	AC outlet	Switched, max. 200 W
	AUDIO INPUT (2 phono jacks)	Dimensions	Approx. 660 × 560 × 487 mm (w/h/d)
	726mVrms (100% modulation), 47 kilohms		(26 × 22 1/8 × 19 1/4 inches)
	CONTROL INPUT (minijack)	Weight	Approx. 55 kg (121 lb 4 oz)
	5V p-p	Accessories supplied	Video Cable VMC-1S
	MULTI INPUT (8-pin DIN)		(phono plug to phono plug, 1.2 m)
	Same as the above VIDEO/AUDIO/CONTROL INPUTS		Connecting Cord RK-105A
			(miniplug to 2 phono plugs, 1.5 m)
			34-pin socket 1 set

Design and specifications subject to change without notice.

— Continued on next page —




TRINITRON®
COMPONENT TV
SONY®

MON

RGB MULT INPUT (34-pin plug)

Pin No.	Signal	Signal level
1	+5 V power supply	} Total 100 mA
2	+5 V power supply	
3	Audio (R) input ground	
4	Ground	
5	Remote control ground	
6	Composite video output ground	
7	Audio (L) input ground	
8 1 16	Ground	
18	EXT/INT mode sync switch	High state (open): EXT sync Low state (ground): INT sync
20	Audio (R) input	726 mVrms (100% modulation), 47 kilohms
21	Analog/digital mode select	High state (open): Analog signal (0.7 Vp-p) Low state (ground): Digital signal (TTL level)
22	Remote control output	
23	Composite video output	1 Vp-p, NTSC 75 ohm terminated, unbalanced, sync negative
24	Audio (L) input	726 mVrms (100% modulation) 47 kilohms
25	Red input	Positive polarity (1) Analog signal (0.7 Vp-p, 75 ohm terminated, non sync) (2) Digital signal (TTL level) ● (1) or (2) is selected by the pin 21.
26	Green input	
27	Blue input	
29	Blanking input	Positive polarity High state (1–3V), 75 ohm terminated Low state (0–0.4V), 75 ohm terminated ● Displays RGB inputs only at high state or RGB inputs superimposed directly on composite video inputs at low state
30	H. sync or composite sync	Negative polarity (1) 1 Vp-p, 75 ohm terminated (2) TTL level ● (1) or (2) is selected by the pin 21.
31	V. sync	Negative polarity TTL level
32	Half blanking input	Positive polarity TTL level ● Active with blanking input (pin 29) at low state ● Decrease the contrast of composite video inputs in super-imposed mode
33	RGB/NORMAL mode select	High state (5 V): RGB inputs Low state (ground): composite video inputs ● The NORMAL/RGB button on the front panel does not function at high state.
34	Audio select	High state (5 V): audio inputs from the RGB MULTI INPUT connector Low state (ground): audio inputs from the AUDIO INPUT jacks or MULTI INPUT connector
14, 17, 19, 28	Not in use	

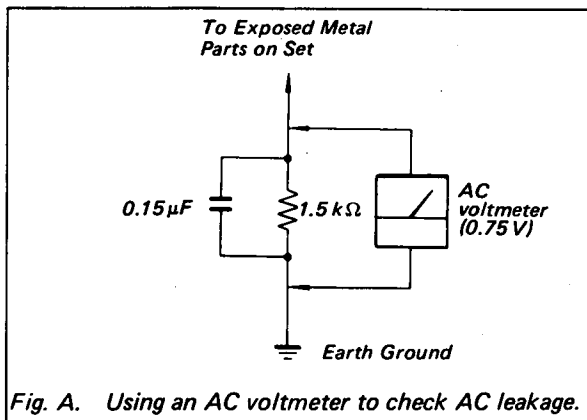
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

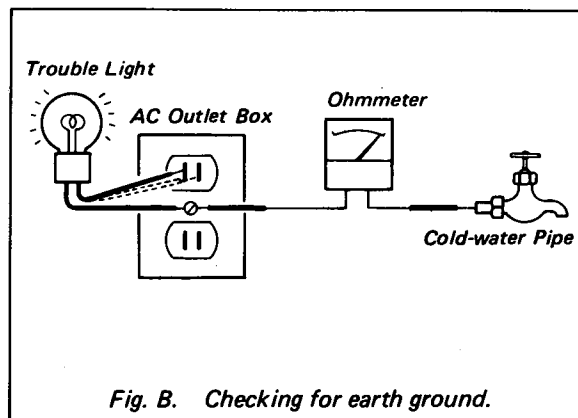


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SECTION 1 GENERAL

1-1. FEATURES

A color video monitor designed for a variety of uses with a Sony Component TV tuner, Sony Betamax videocassette recorder, video camera, character generator, microcomputer, etc.

DYNAMIC PICTURE™ system adjusts picture contrast automatically to produce more detail in both bright and dark areas of every scene.

DYNAMIC COLOR™ system for superior color reproduction with natural facial color tones and dazzling whites.

Colorpure Filter that produces fine picture detail without color spill or color noise.

Two built-in audio amplifiers provide dynamic sound from an externally connected speaker system (optional).

When the Component TV is used with a Component TV tuner, the volume, picture and power can be controlled from the tuner or the Remote Commander (supplied with the tuner).

Smoked glass over the picture tube for a glare-free picture with optimum contrast.

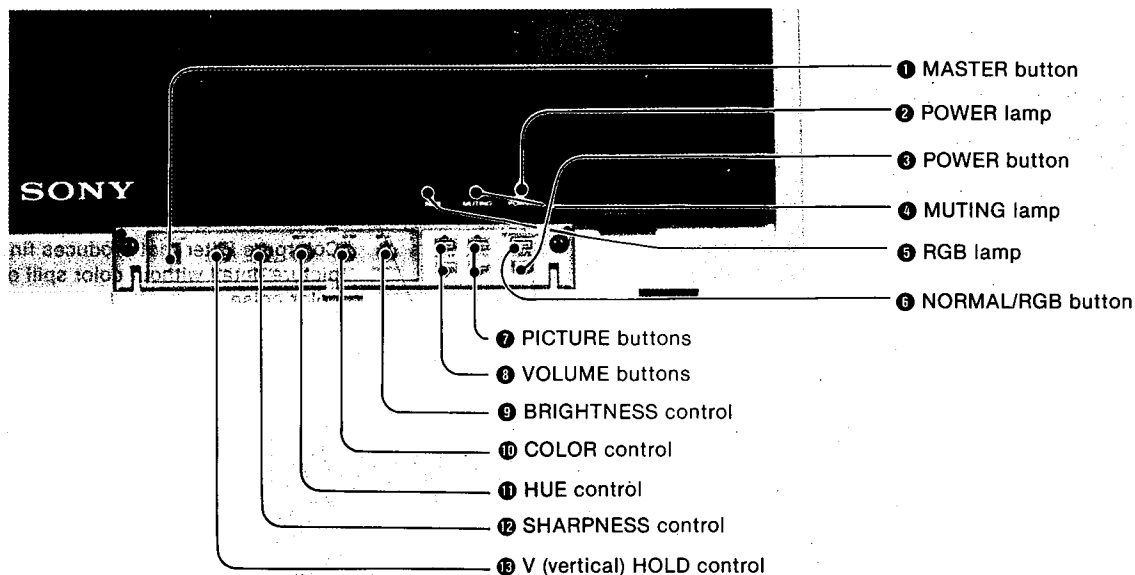
ECONOQUICK™, energy-saving quick-start system.

The KX-2501A also features:

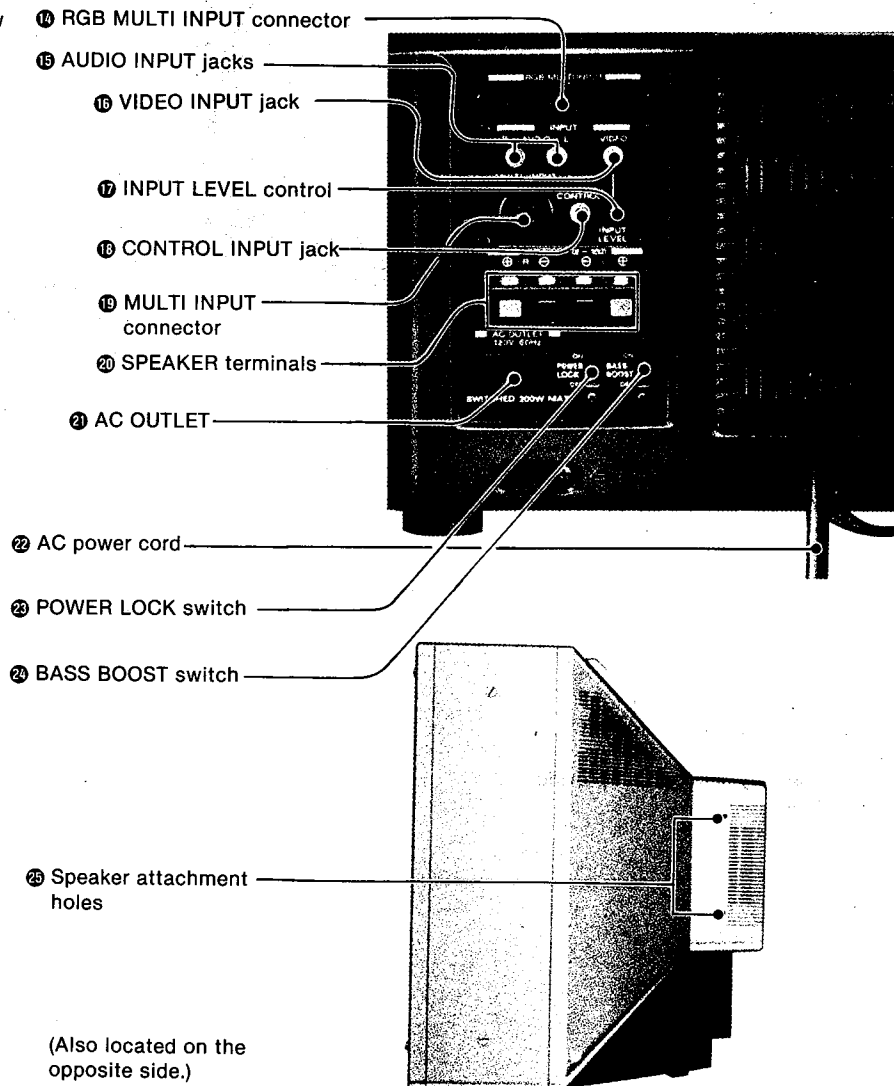
- A Velocity Modulation scanning system for increased sharpness and resolution.
- Pulse techniques in the power supply section that provide an efficient and stable power supply.

1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

behind panel



rear view



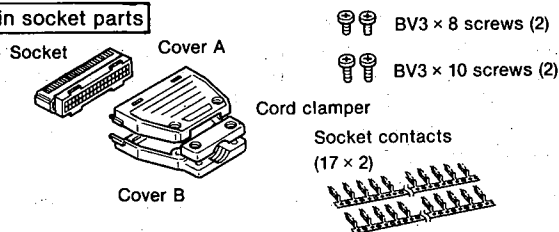
14 RGB MULTI INPUT connector (34-pin plug)

This connector allows a character generator, microcomputer, or a special adaptor for future videotex/teletext having digital/analog RGB outputs to be connected.

The connector cover has been attached to this connector at the factory. When this connector is not in use, keep the cover attached.

When such equipment having digital/analog RGB outputs is connected to this connector, disconnect the connector cover and proceed as follows by using the supplied 34-pin socket.

34-pin socket parts

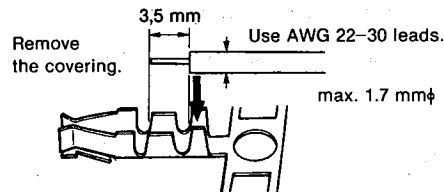


Position number	Signal to be connected
1, 2	+5V power supply
3	Audio (R) input ground
4	Ground
5	Remote control ground
6	Composite video output ground
7	Audio (L) input ground
8*, 9*, 10*	Ground
11	Ground
12*, 13*	Ground
14	Not in use
15*	Ground
16	Ground
17	Not in use
18	EXT/INT mode sync switch
19	Not in use
20	Audio (R) input
21	Analog/digital mode select
22	Remote control output
23	Composite video output
24	Audio (L) input
25*	Red input
26*	Green input
27*	Blue input
28	Not in use
29*	Blanking input
30*	H. sync or composite sync
31*	V. sync
32	Half blanking input
33	RGB/NORMAL mode select
34	Audio select

*For No. 8 and 25, 9 and 26, 10 and 27, 12 and 29, 13 and 30, or 15 and 31 connections, use a twisted-pair lead when the signal level is TTL, or a 75-ohm coaxial cable when the signal level is 1 V p-p.

(1) Solder each lead to a socket contact.

1. Place the lead on the contact as illustrated.



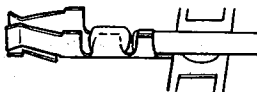
2. Fix the lead.

3. Tighten the tabs slightly.

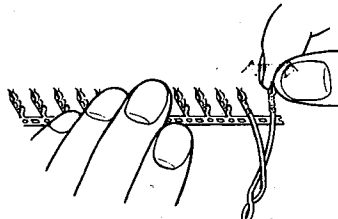


4. Solder the conductor.

Take care not to solder past the point indicated by the dotted line.

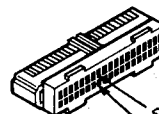


5. After soldering, separate the contact by moving it upwards and downwards.



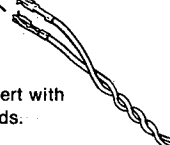
(2) Connect the socket contacts to the correct positions. Refer to the chart.

Align the contact and read for easier insertion.



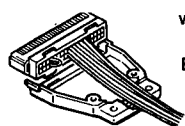
For positions 18-34, insert with the flat side upwards.

For position 1-17, insert with the flat side downwards.



(3) Assemble the socket.

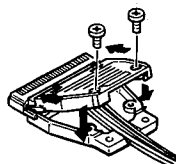
1. Attach the socket to the cover B.



with the positions 1-17 upwards

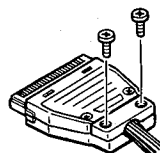
Engage the projections with the holes.

2. Attach the cover A to the socket with the 2 shorter screws.

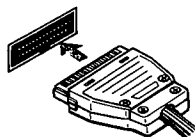


Engage the projections with the holes.

3. Attach the cord clamber with the 2 longer screws.



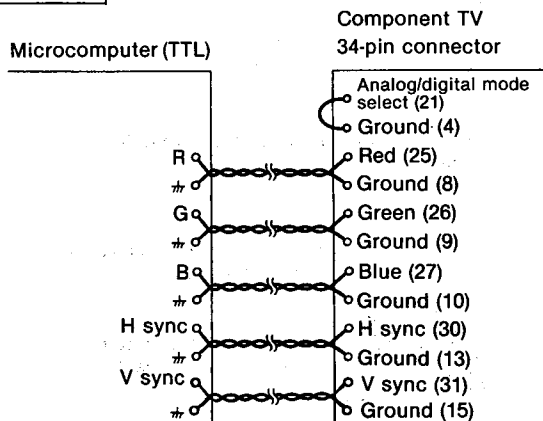
(4) Connect the socket to the RGB MULTI INPUT connector.



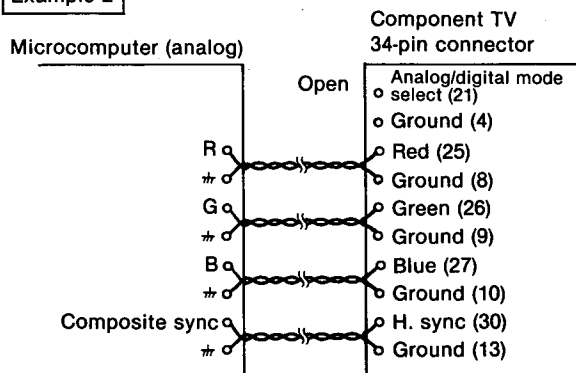
Engage the projection with this slot.

For the signal specifications, see page 2.

Example 1



Example 2



15 AUDIO INPUT jacks (phono jacks, L-white, R-red)

Connect to the audio outputs of a Sony Betamax or U-matic video cassette recorder, Sony Component TV tuner, etc.

Connect the L and R channels properly. If the recorder is monaural, connect the audio output of the recorder to these two jacks with the RK-105A Connecting Cord (supplied) and the PC-5A Plug Adaptor (phono plug to minijack, optional), if required.

16 VIDEO INPUT jack (phono jack, yellow)

17 INPUT LEVEL control

Connect to the video output of a Sony Betamax or U-matic video cassette recorder, Sony Component TV tuner, video camera, etc. with the VMC-1S Video Cable (supplied).

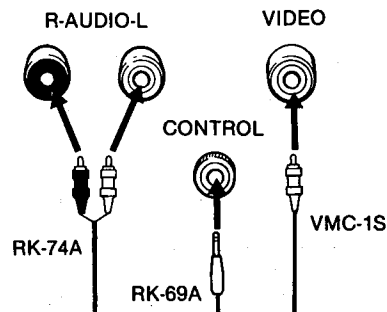
The input level of the video signal from this jack can be adjusted with the INPUT LEVEL control.

Normally set the control to the center detent position.

If the picture contrast is too weak or too strong, adjust the level (min. 0.5V p-p, max. 2V p-p) by turning the control clockwise or counterclockwise with a screwdriver.

18 CONTROL INPUT jack (minijack)

When the set is used with a Sony Component TV tuner equipped with a control output connector, connect as illustrated with the RK-69A Connecting Cord (optional).



The volume and picture can be adjusted and the power can be turned on or off using the controls on the TV tuner or the Remote Commander (supplied with the tuner).

19 MULTI INPUT connector (8-pin DIN)

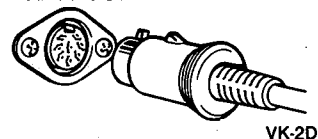
Connect to the MULTI OUTPUT (8-pin DIN) connector on a Sony Component TV tuner with the VK-2D Video Cable (supplied with the tuner, 2 m). The audio, video and control signals can be connected simultaneously with this cable.

The volume and picture can be adjusted and the power can be turned on or off using the controls on the TV tuner or the Remote Commander (supplied with the tuner).

Engage this projection with this slot.

To disconnect, push this button.

MULTI INPUT



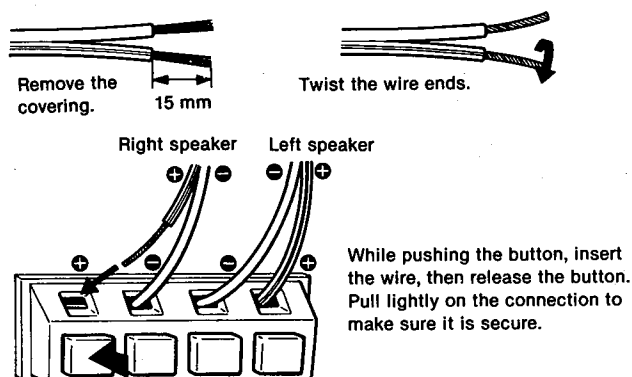
The VK-5DX Video Cable is available optionally for extending the VK-2D.

Caution: Use either the VIDEO/AUDIO/CONTROL 15 16 18 jacks or the MULTI INPUT connector, but not both simultaneously.

20 SPEAKER terminals

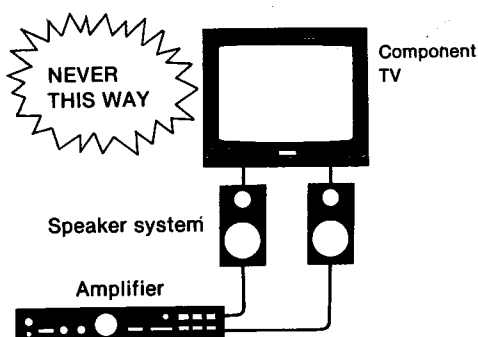
Connect to an 8–16 ohms speaker system.

Speaker cord connections



Caution

- Make sure that none of the strands are separated from the wire and shorts across the speaker terminals.
 - Correct $\oplus \ominus$ connection of both speakers insures proper in-phase operation. If the speaker system is out-of-phase, the bass tones seem to be missing and the position of the instruments becomes obscure.
 - The set should be placed some distance away from the speakers so that it will not be affected by the speaker magnets. If a temporary proximity to magnets should cause portions of the picture to have poor color, turn the POWER button off, and after about 10 minutes, turn it on.
- The Sony SS-X1A and SS-X10A Speaker System (optional) may be placed near the set because these are a low magnetic flux leakage type.
- Never connect a speaker system to an amplifier and this Component TV simultaneously, as this may damage the TV.

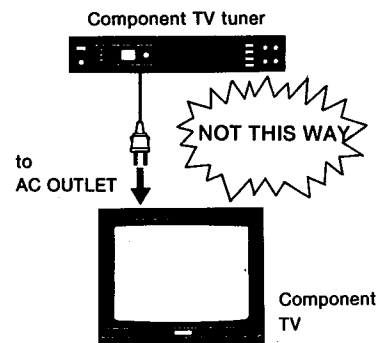


21 AC OUTLET (SWITCHED)

Provides ac power of 200 W max. (KX-2501A) or 250 W max. (KX-1901A) to other connected equipment. Power can be switched on or off with the POWER button on the Component TV.

Caution

- When the set is used with a Sony Component TV tuner, do not connect the ac power cord of the tuner to this outlet. Otherwise, the power cannot be turned on or off using the control on the tuner or the Remote Commander (supplied with the tuner).

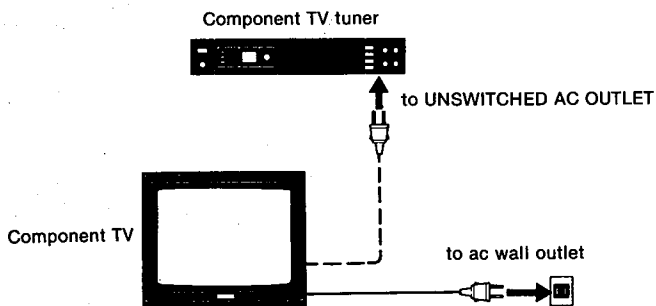


- Do not connect electrical home appliances such as an electric iron, fans, or other high-wattage equipment to this outlet.

22 AC power cord

Connect to a convenient 120 V ac wall outlet.

When the set is used with a Sony Component TV tuner, the ac power cord may be connected to the UNSWITCHED AC OUTLET.



23 POWER LOCK switch

Normally set to OFF.

The MASTER and POWER buttons functions as described above. If the set is to be switched on or off by a timer, set this switch to ON and keep the MASTER button pushed in.

When power is supplied to the set with the POWER LOCK switch and MASTER button set to ON, the set will turn on automatically.

24 BASS BOOST switch

When a bookshelf-type speaker system (e.g. Sony SS-X1A, SS-X10A) is used, set this switch to ON to enhance the bass sound. When a larger speaker system is used, set the switch to OFF to prevent excessive bass boost.

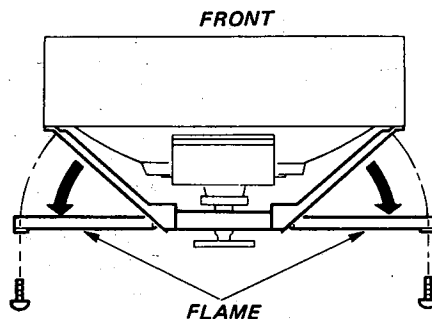
25 Speaker attachment holes

The Sony SS-X1A Speaker System (optional) may be attached to the set. For details on attachment, see the instructions furnished with the SS-X1A.

SECTION 2 DISASSEMBLY AND REPLACEMENT

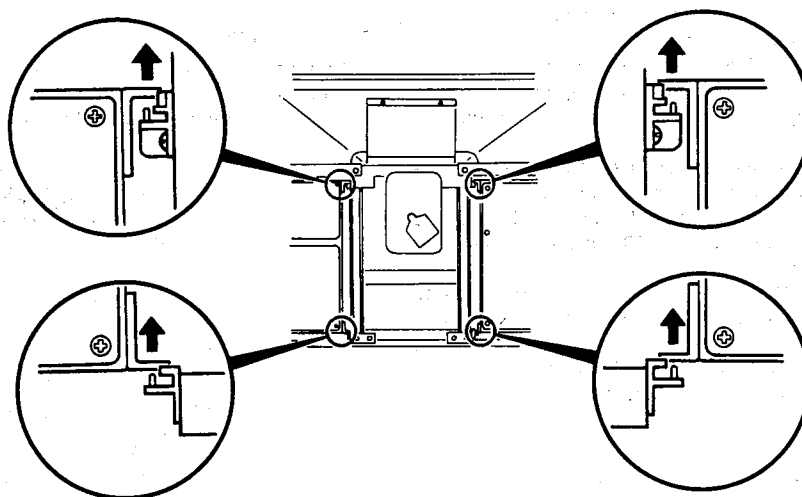
2-1. CIRCUIT BOARD CHECKING PROCESS (1)

Unscrew the two screws on each board frame, and open them as shown.

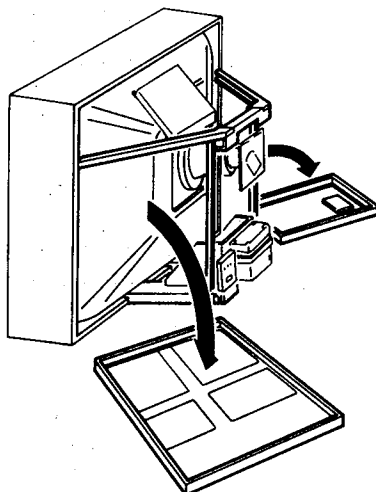


2-2. CIRCUIT BOARD CHECKING PROCESS (2)

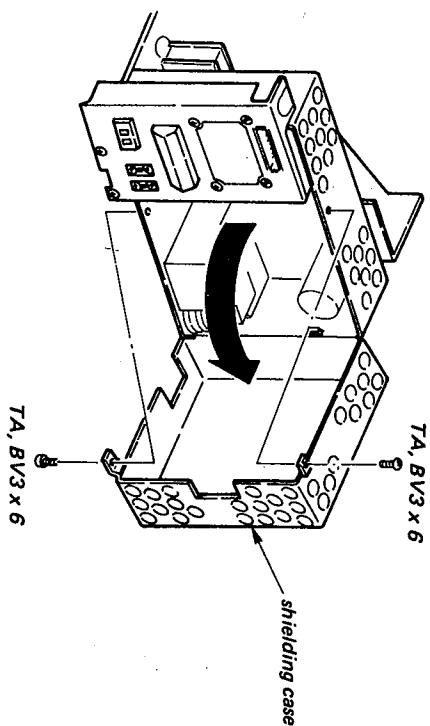
Then, lift each board up releasing the hinges as shown below.



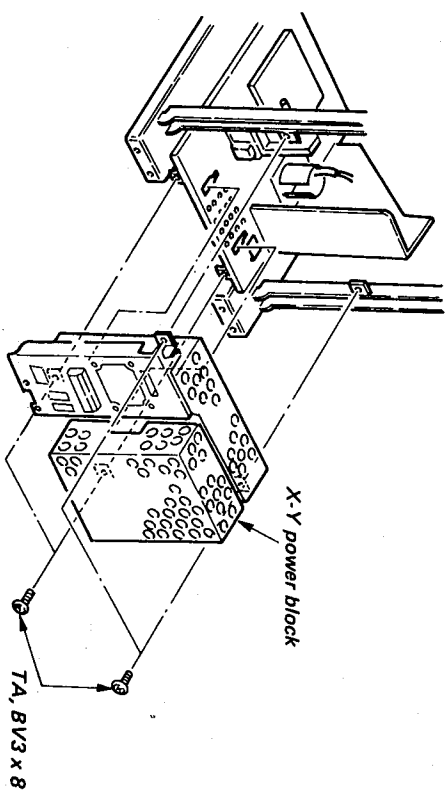
Place the boards on the table surface as shown.



2-3. OPEN THE SHIELDING CASE AS SHOWN

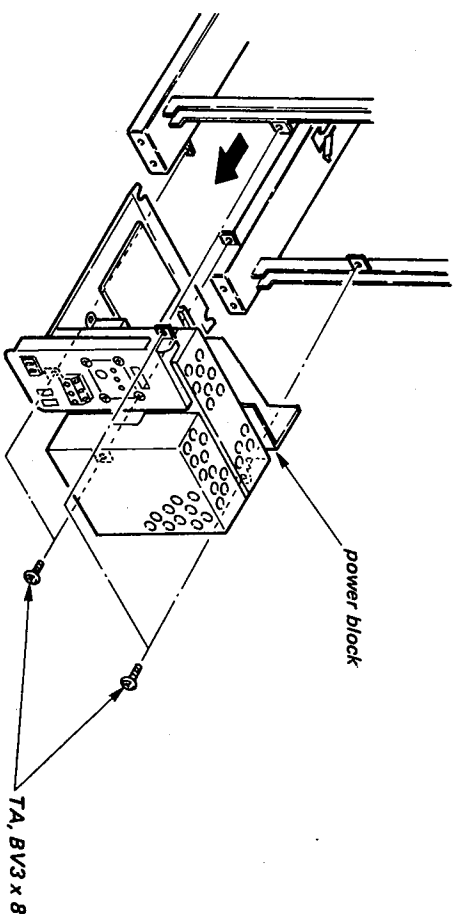


2-4. X-Y POWER BLOCK REMOVAL

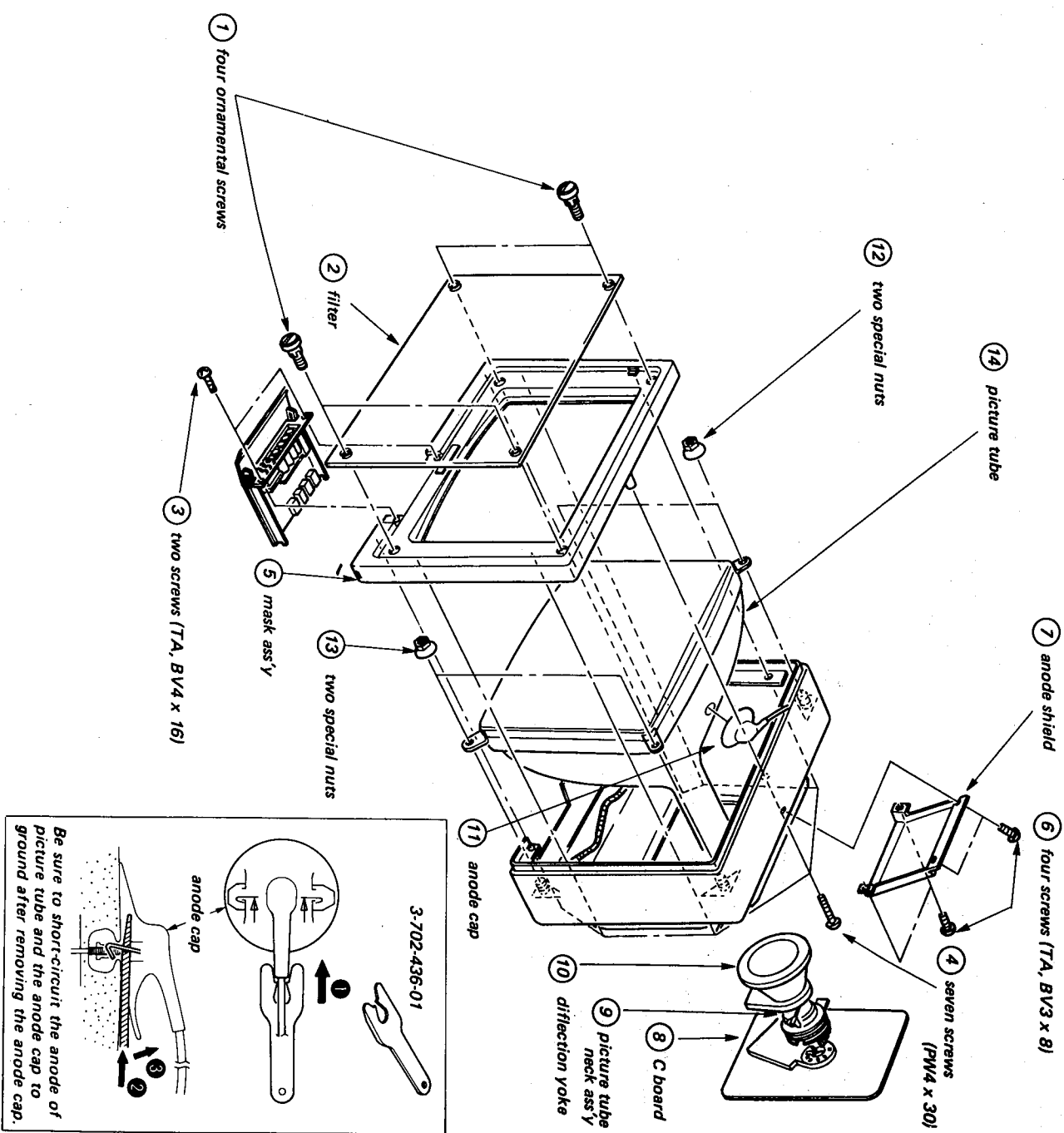


2-5. POWER BLOCK REMOVAL

Take out the heat sink, rear panel assembly, FBI, power transformer, and the X-Y power block by pulling them backward as shown.



2-6. PICTURE TUBE REMOVAL



SECTION 3
SAFETY RELATED ADJUSTMENTS

3-1. D BOARD ADJUSTMENT

R1602 ADJUSTMENT

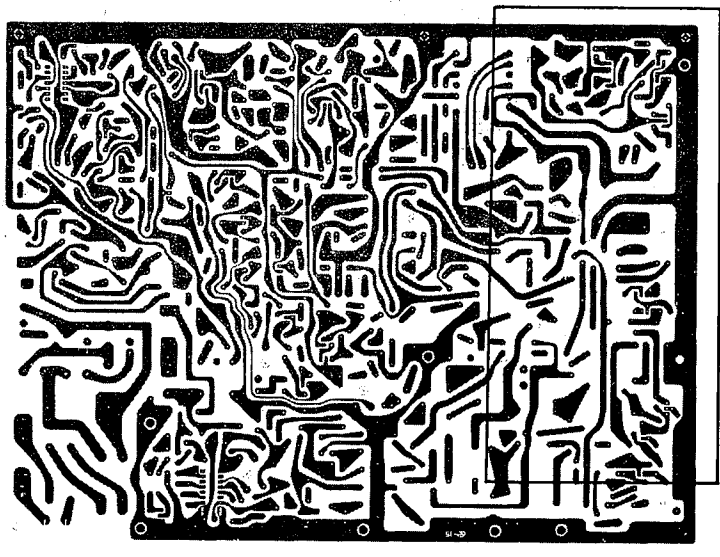
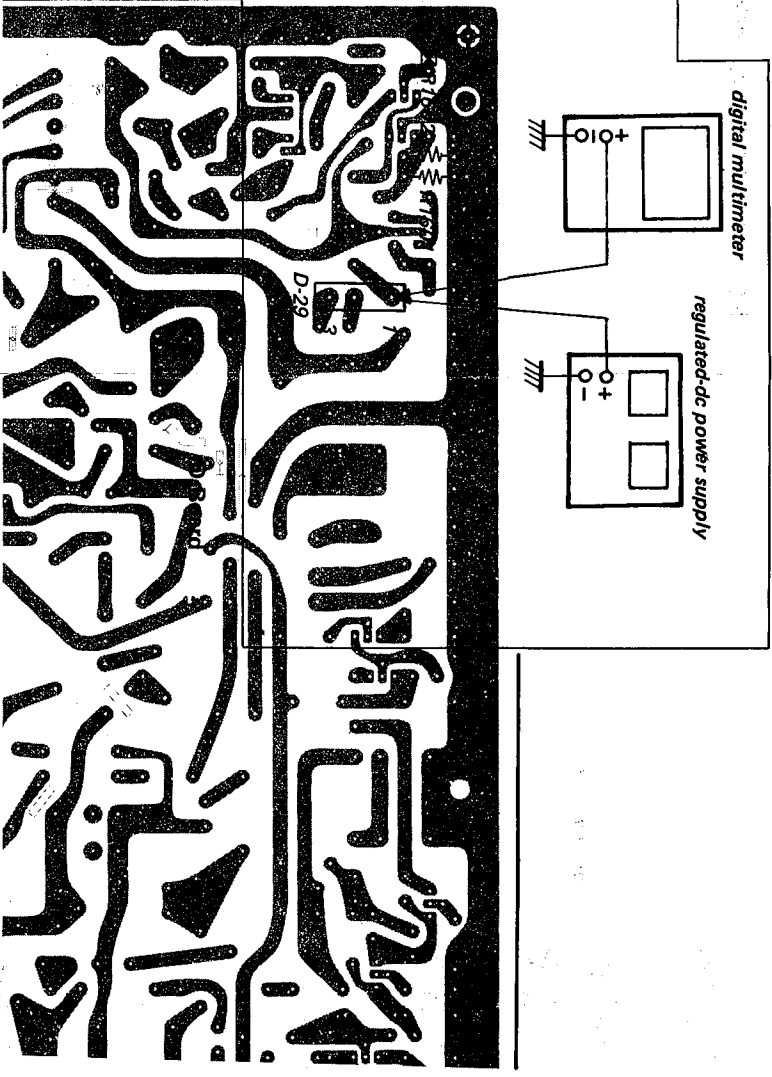
When replacing the following components, make this adjustment.

R1584, R1593, R1595, R1596, R1597, R1598, R1599, R1600, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1609, R1610, D1529, D1530, D1532, Q1513, Q1514, Q1517, Q1518, Q1519, Q1520

1. Feed in a dot pattern signal from pattern generator.
2. Set the variable auto-transformer to 120V ac and PICTURE, BRIGHT controls to minimum.
3. Pull out D-29 plug and supply the $16.11 \pm 0.01V$ dc to the terminal of D-29 ① with the regulated-dc power supply and confirm that the HV hold down circuit operates. (When the HV hold down circuit operates, raster disappears.)

Note: As soon as the HV hold down circuit operates, turn the POWER switch to OFF.

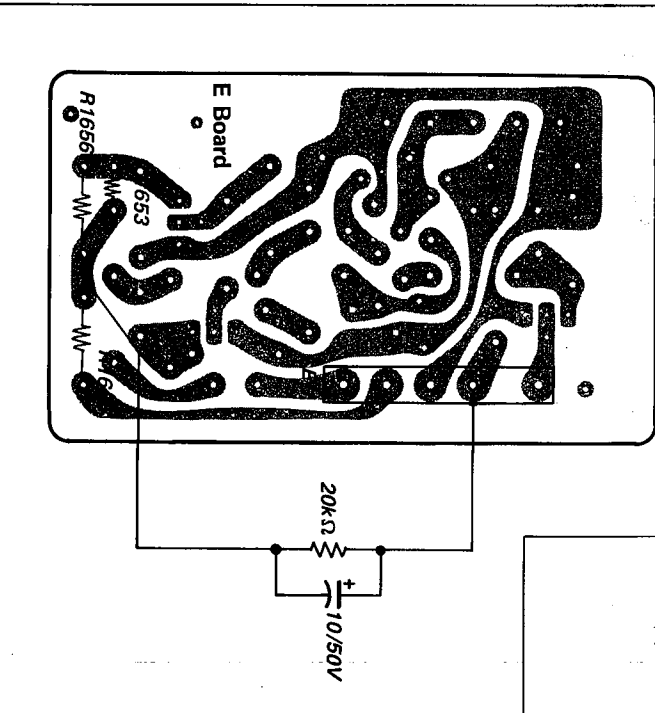
4. Supply the $15.95 \pm 0.01V$ dc to the terminal of D-29 ① and confirm that the set is normally operated.
5. Receive a white pattern.
6. Set the PICTURE, BRIGHT controls to maximum.
7. Supply the $15.54 \pm 0.01V$ dc to terminal of D-29 ① and confirm that the HV hold down circuit operates.
8. Supply the $15.38 \pm 0.01V$ dc to the terminal of D-29 ① and confirm that the set is normally operated.
9. Connect the D-29 plug.
10. If step 1 – 8 are not satisfied, select the resistance value of R1602 and repeat above step.



3-2. C BOARD ADJUSTMENT

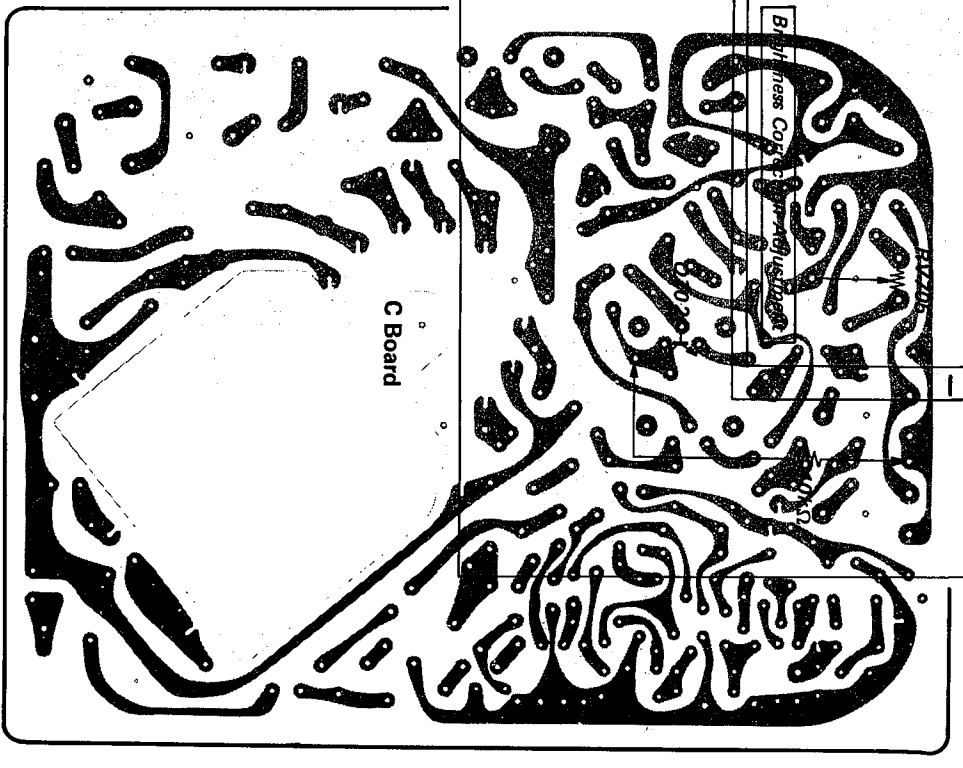
Check of the protector

1. Receive a monoscope pattern.
2. Set the PICTURE, BRIGHT controls to maximum.
3. Connect a network ($20k\Omega$, $10\mu F/50V$) and $10k\Omega$ resistor as shown.
4. Confirm that the picture disappear.

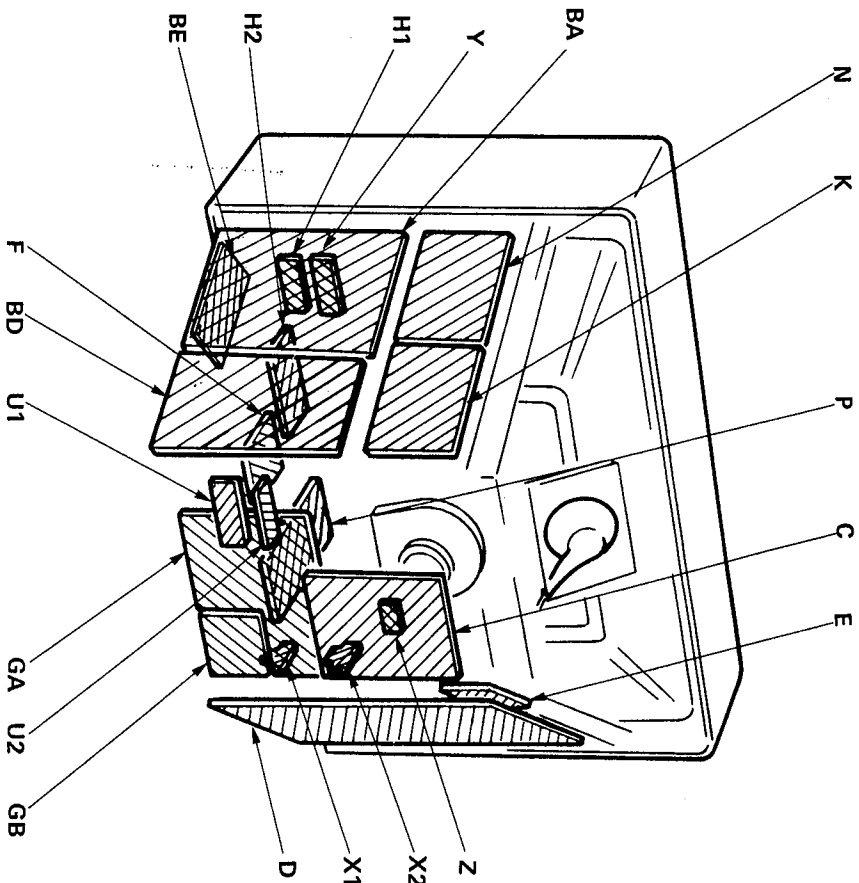


Brightness Correction Adjustment

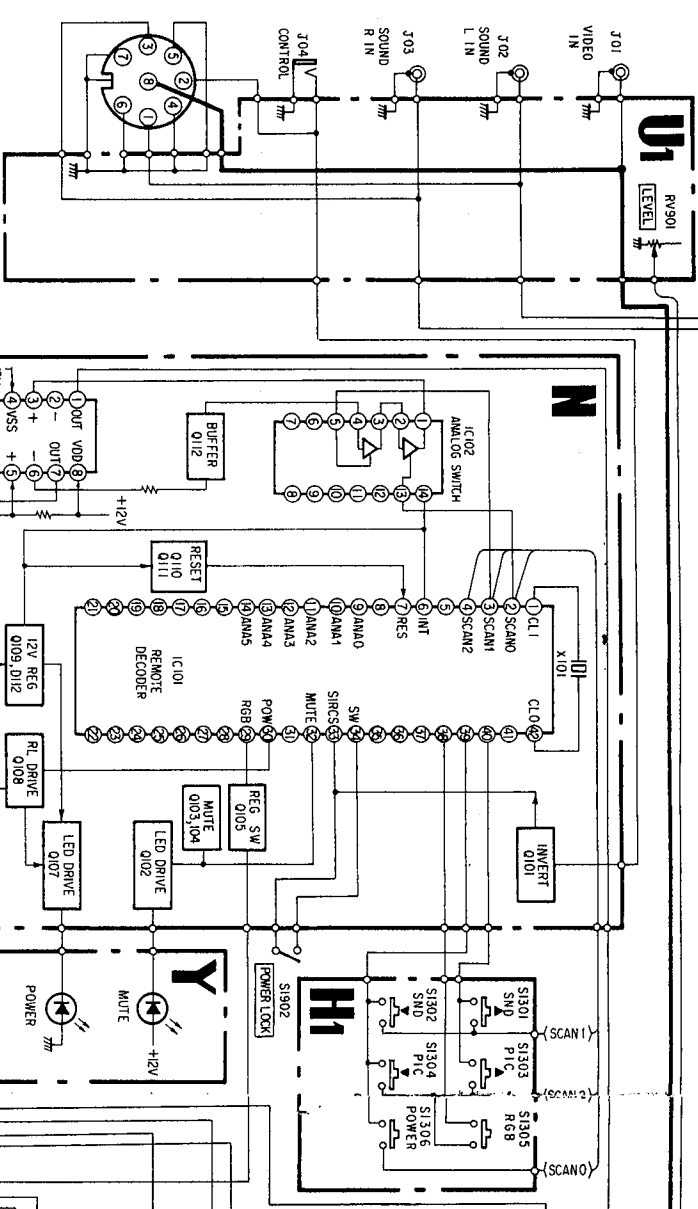
1. Tune in an RF signal.
2. Hold the COLOR (white) control down to receive a black-and-white picture. Push the bottom of the PICTURE control to get the darkest picture (PICTURE 0%). Set the BRIGHT control at mechanical center (click position).
3. Adjust RV705 to cut off the darkest part of the picture.
4. Check each channel to make sure that the black level is not excessive.

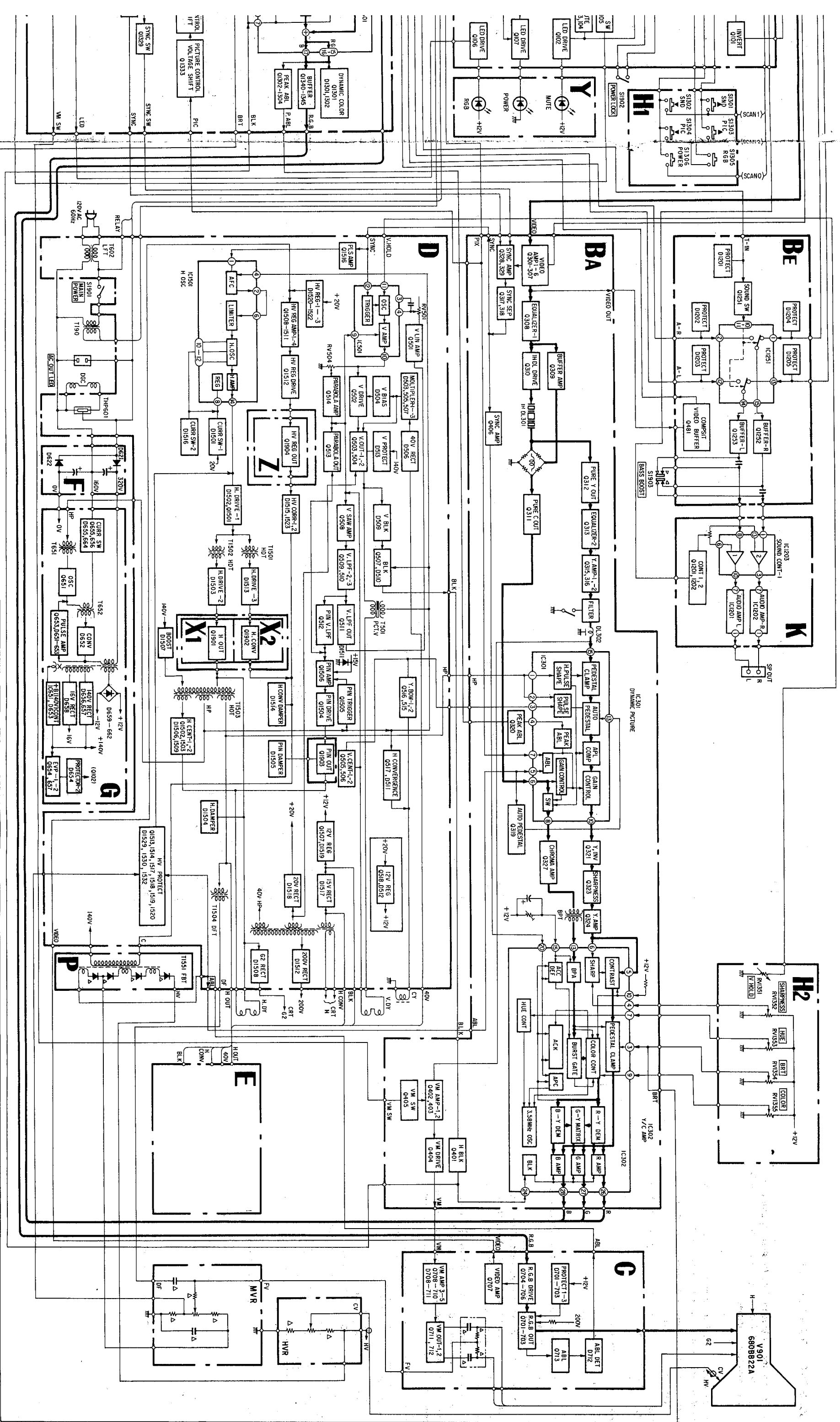


4-1.1. CIRCUIT BOARDS LOCATION



4-1.1. CIRCUIT BOARDS LOCATION





4.3. SCHEMATIC DIAGRAM (1/2)

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

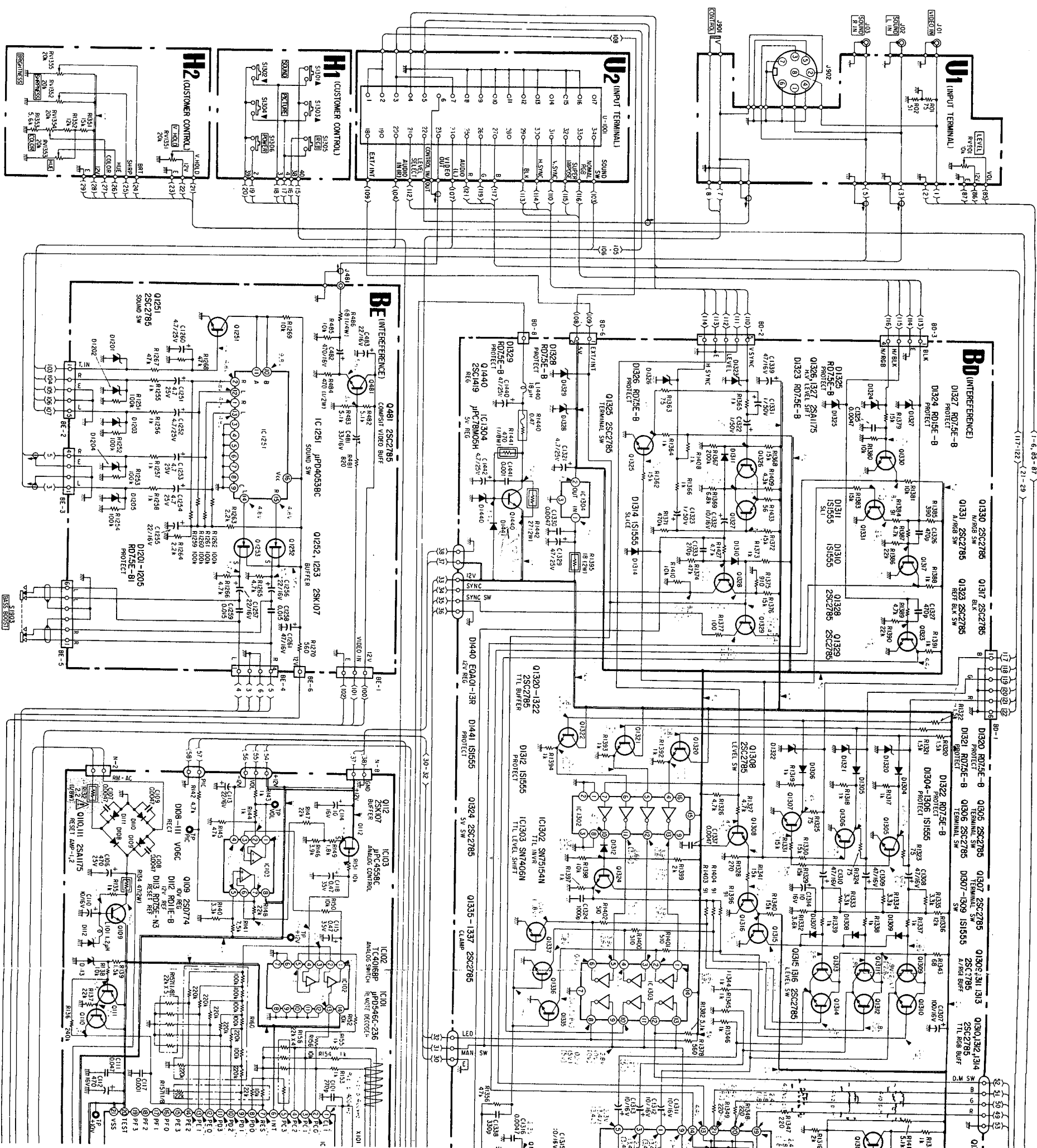
- All capacitors are in μF unless otherwise noted. pF: μM 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted. K: 1000 Ω , M: 1000 K Ω .
- Resistors on the BE and K boards are in ohms, 1/6W unless otherwise noted.
- \square : nonflammable resistor.
- \square : fusible resistor
- Δ : internal component.
- \square : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by \square in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by \square , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by \square and repeat the adjustment until the specified value is achieved. (Refer to see page 13, 14.)

Part replaced (\square)	Adjustment (\square)
R1584, R1593, R1595, R1596, R1597, R1598, R1599, R1600, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1609, R1610, D1529, D1530, D1532, Q1513, Q1514, Q1517, Q1518, Q1519, Q1520	R1602 Adjustment

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10M ohm-per-volt digital multimeter.
- \square : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- \square : B+ bus.
- \square : B- bus.
- Do not replace parts on E board, replace the complete circuit board only.
- no mark: common with composite signal
- () : D/RGB
- [] : A/RGB

1
2
3
4
5

A
B
C
D
E
F



F

G

H

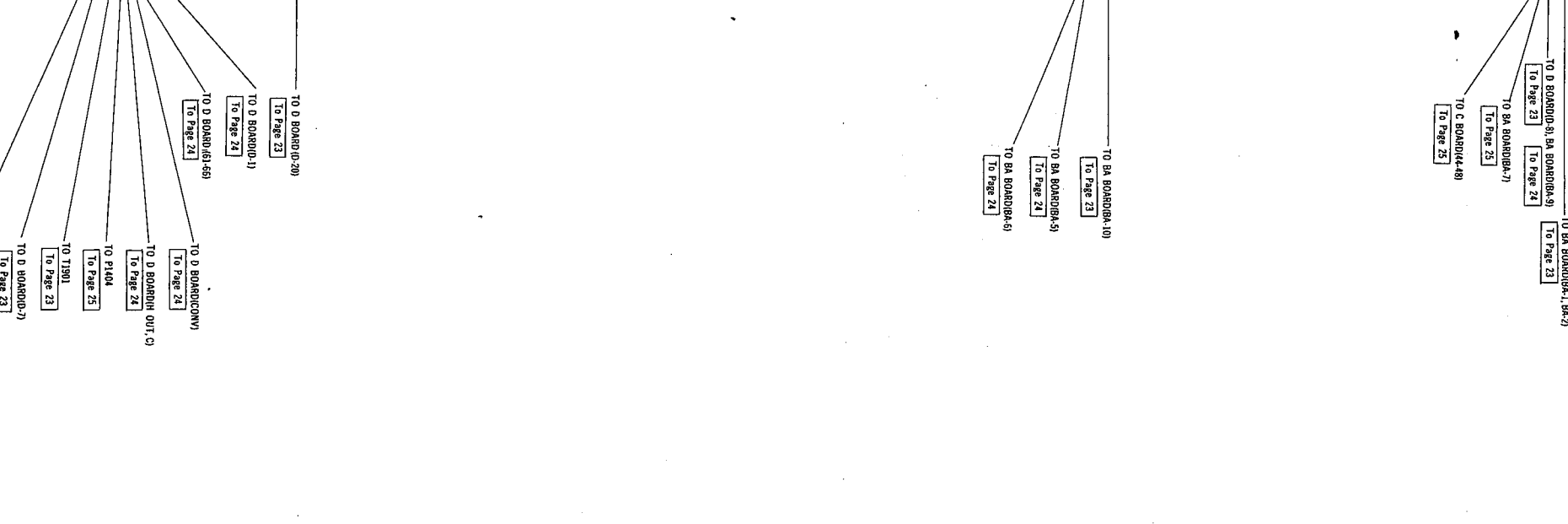
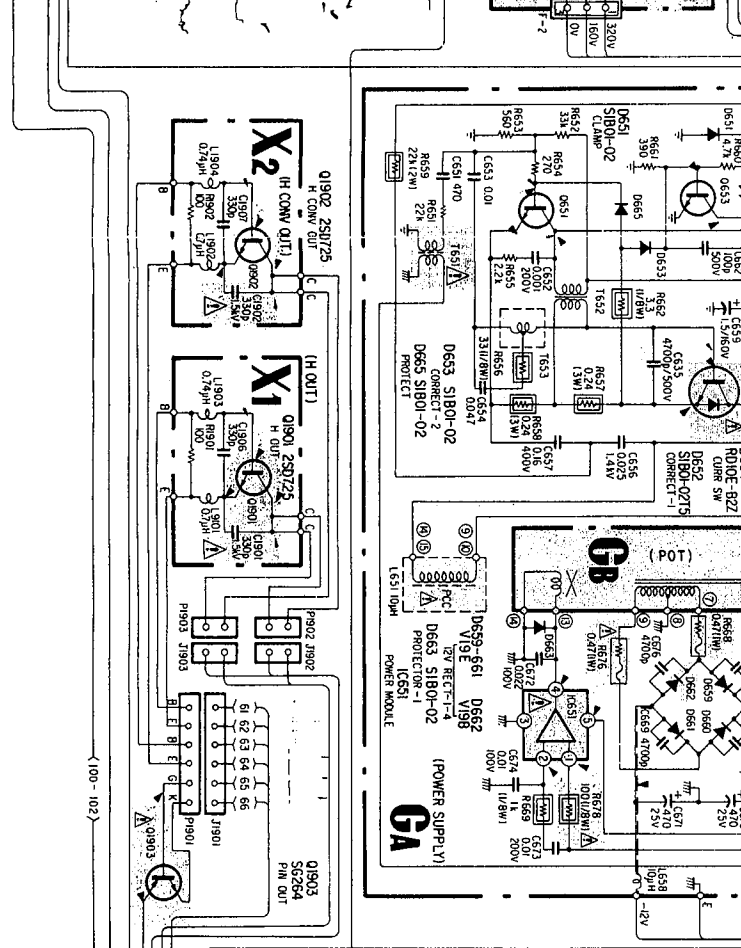
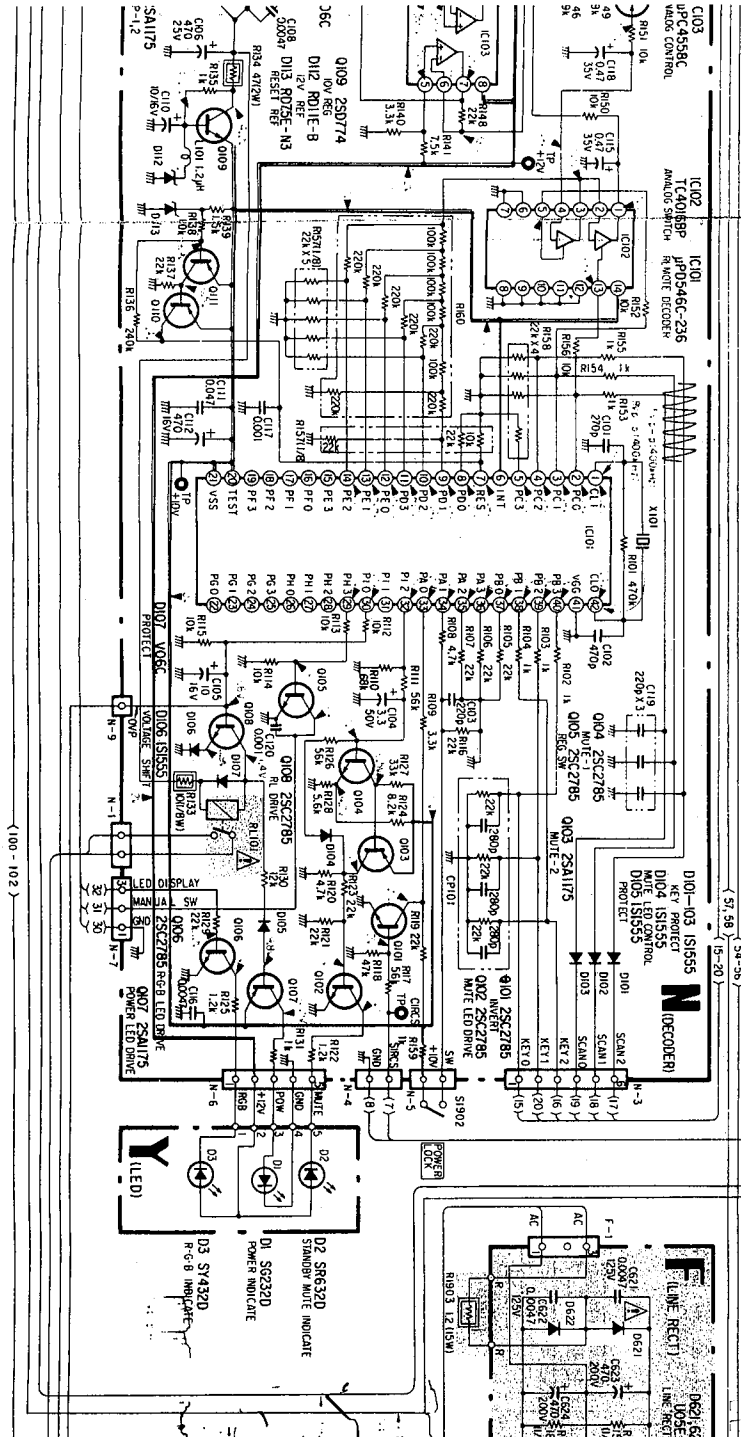
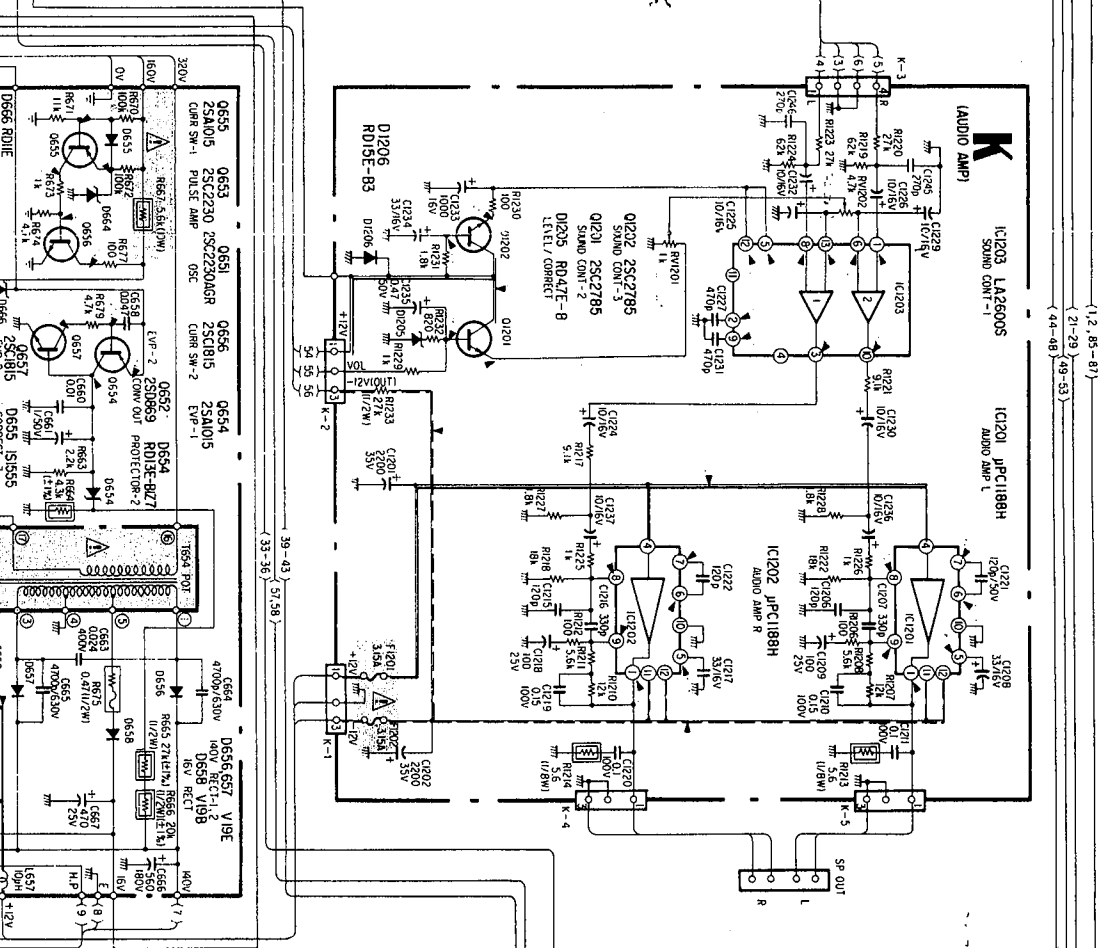
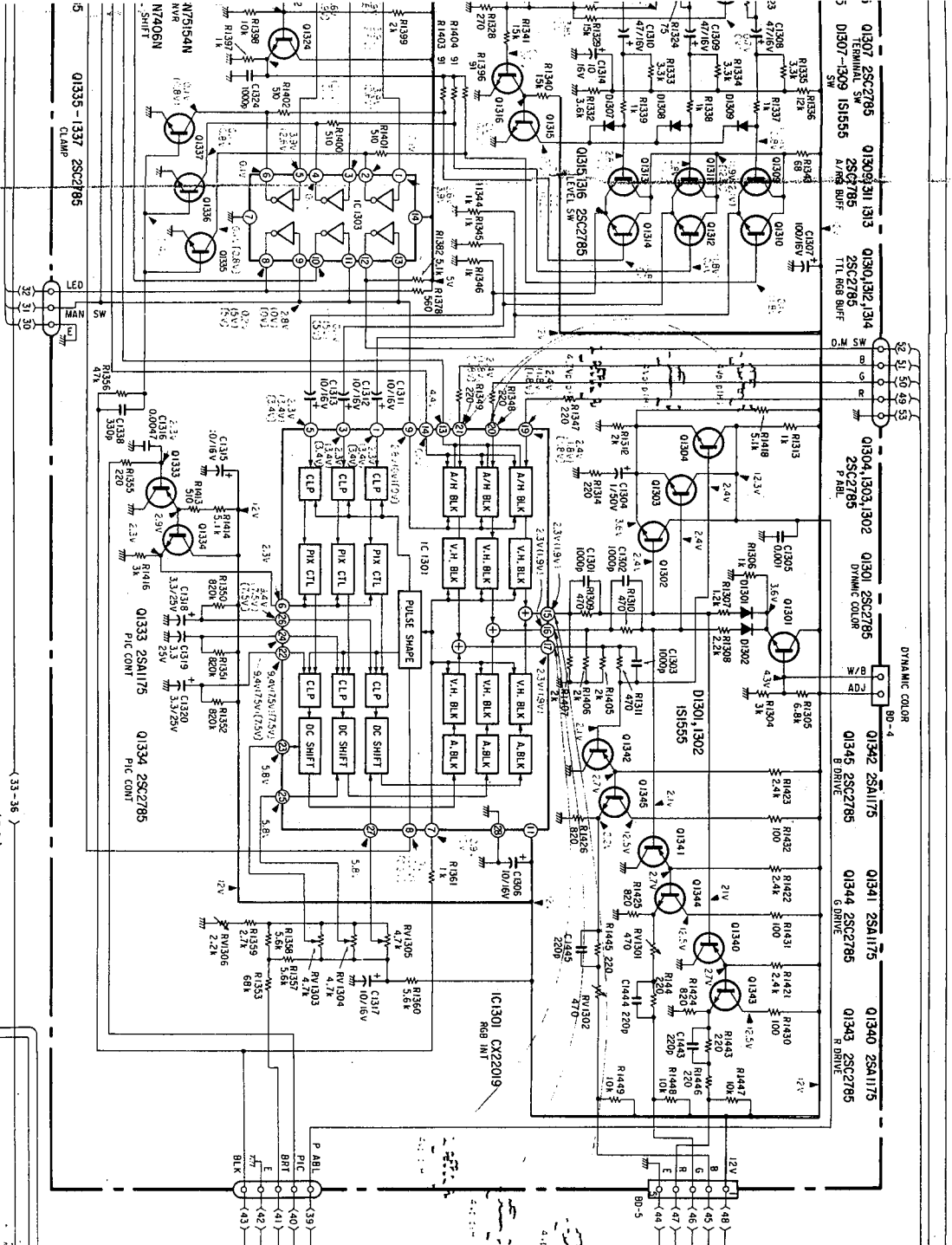
I

J

K

L

M



A

B

C

D

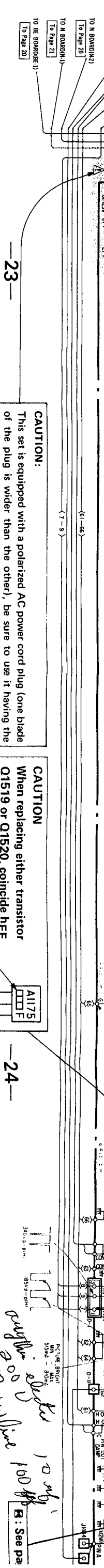
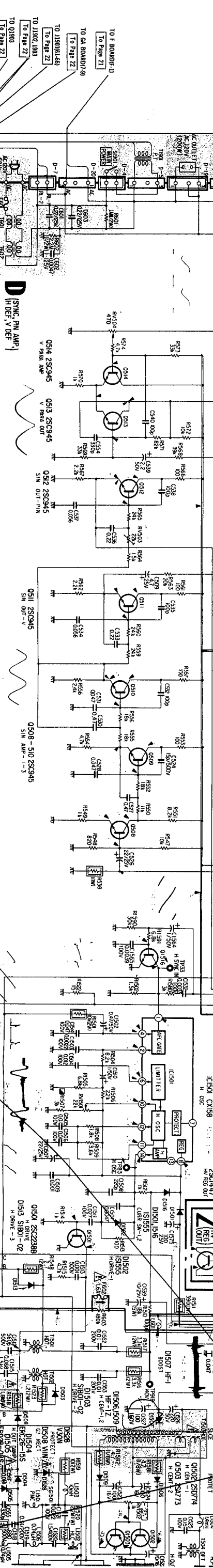
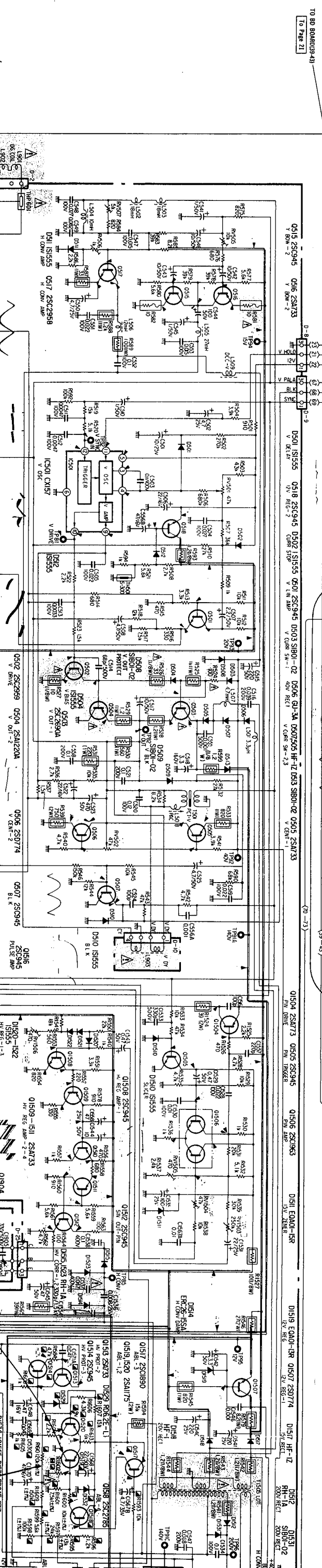
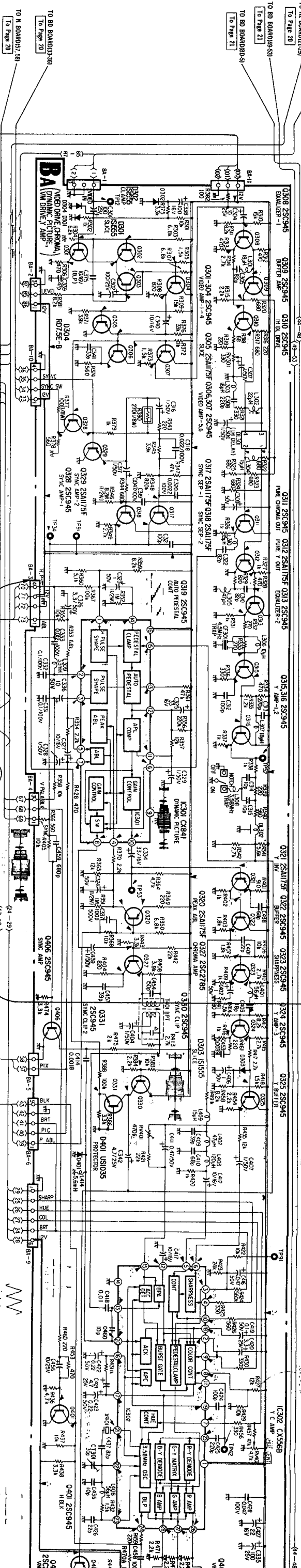
E

F

G

H

Note:
Arrange the leads connected to BA-3 so that they are as far away from DI-301 as possible.



CAUTION:
This set is equipped with a polarized AC power cord plug (one blade of the plug is wider than the other), be sure to use it having the



CAUTION:
When replacing either transistor O1519 or O1520, coincide hFE

—24—

—23—

See pa

D

E

F

G

H

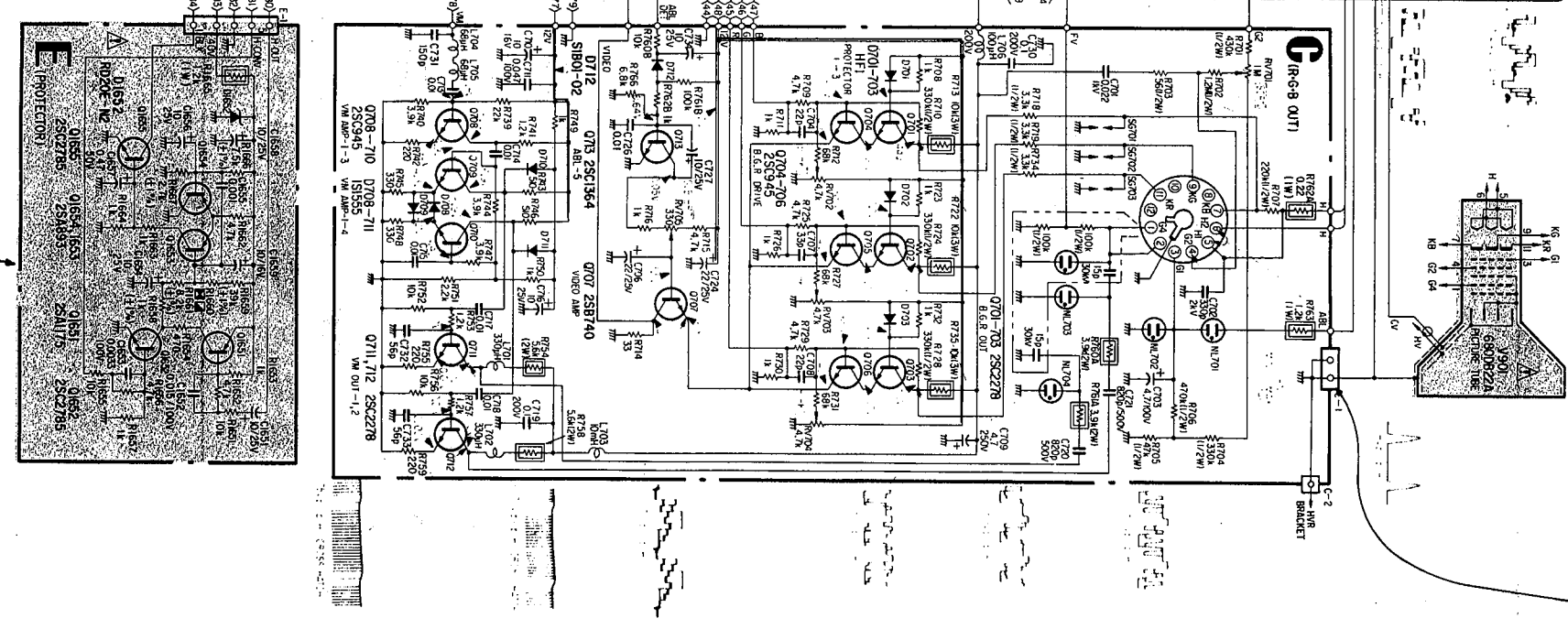
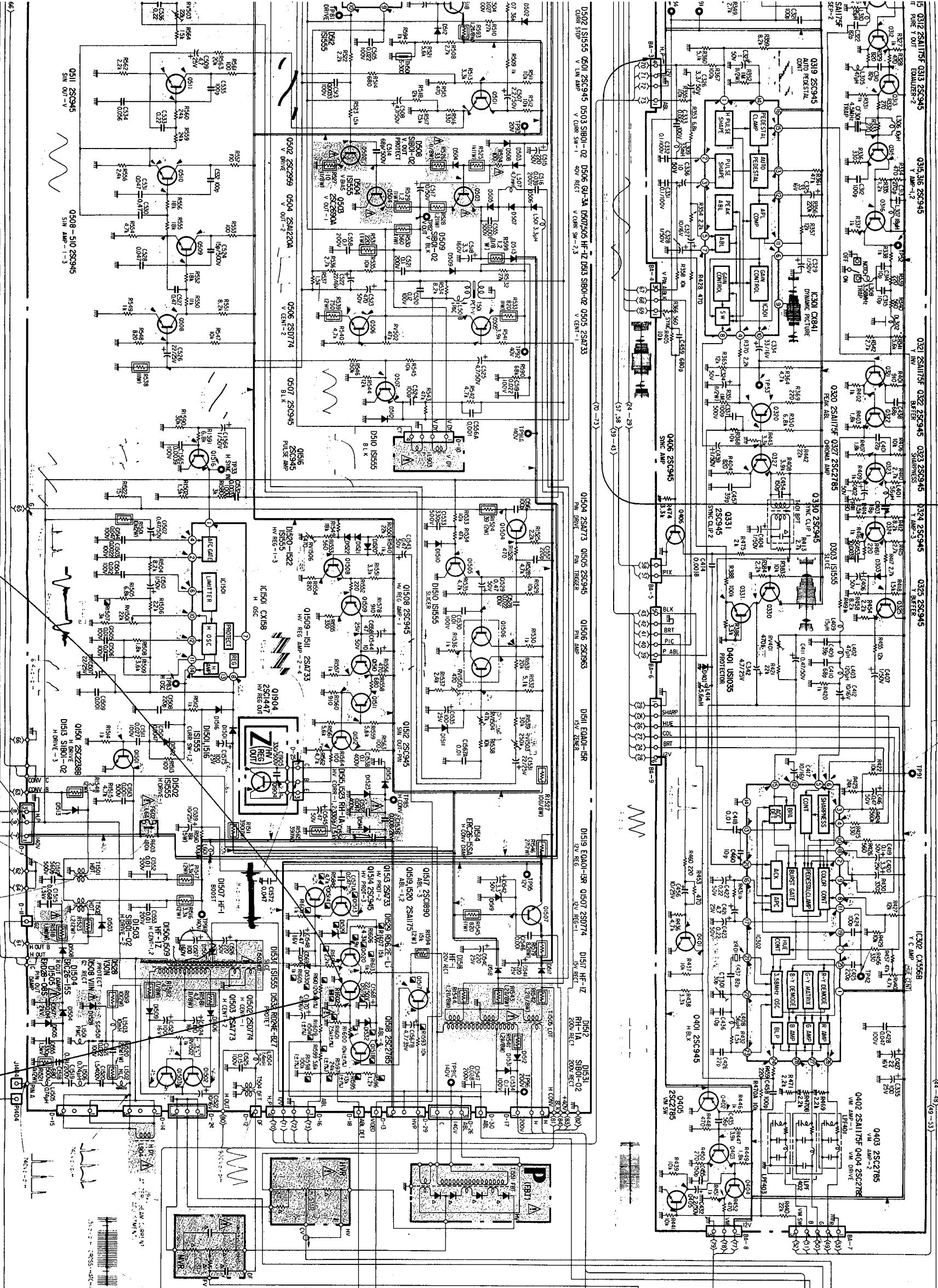
I

J

K

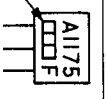
Note:
Arrange the leads connected to BA-3 so that they are as far away from DL301 as possible.

CAUTION
Be sure to connect the connector (C-1) for safety.



h a polarized AC power cord plug (one blade
than the other), be sure to use it having the

CAUTION
When replacing either transistor
Q1519 or Q1520, coincide hFE



—24—

CAUTION
Do not replace parts on E board, replace
the complete circuit board only.

—25—

CAUTION
Do not replace parts on E board, replace
the complete circuit board only.

4.4. PRINTED WIRING BOARDS
— Conductor Side —

H1

[CUSTOMER CONTROL]

H2

[CUSTOMER CONTROL]

[INPUT TERMINAL]

U1

[INPUT TERMINAL]

U2

X1

[H OUT]

A

B

C

D

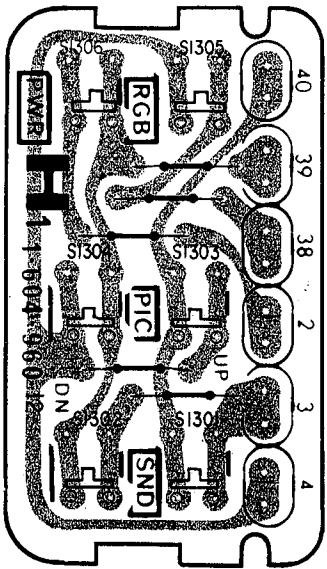
E

F

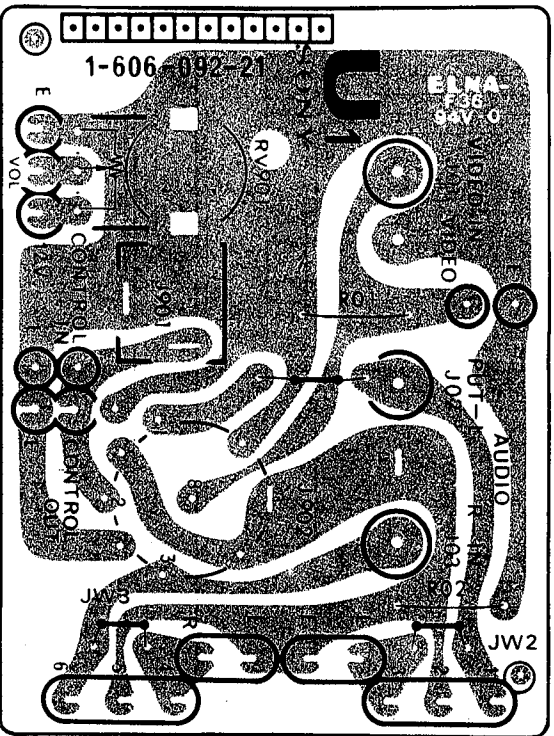
G

H

— H1 Board —

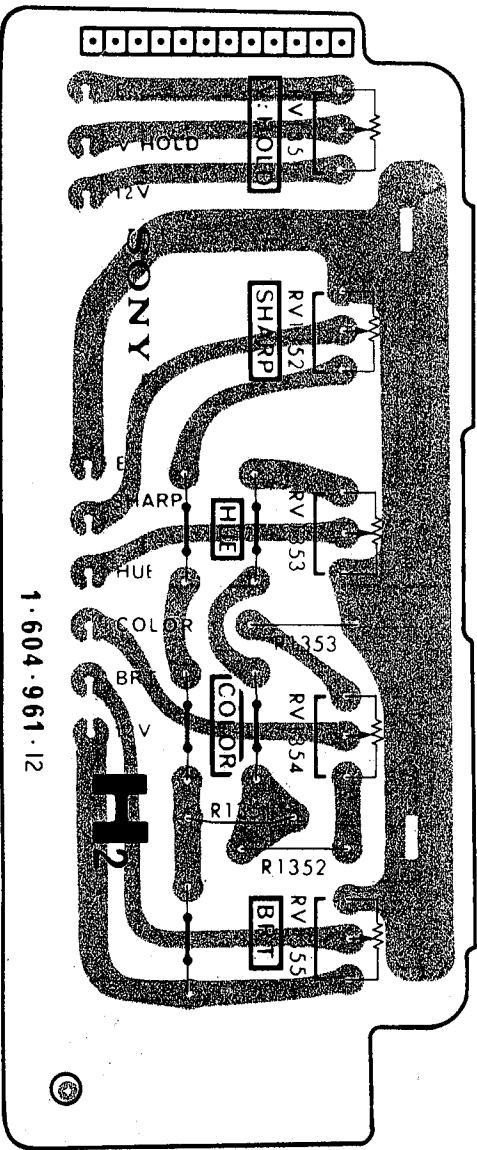


— U1 Board —

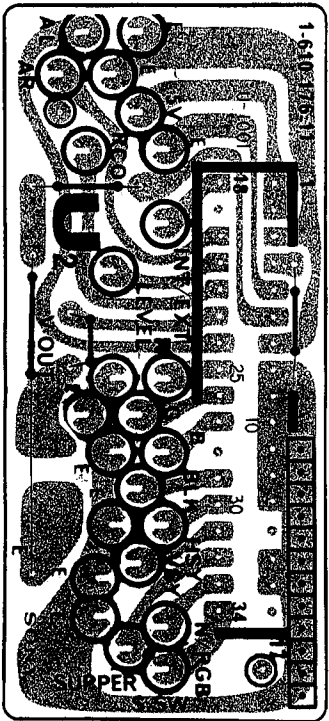


— X1

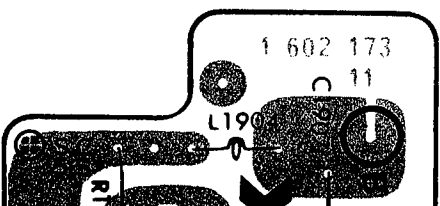
— H2 Board —



— U2 Board —



— X2 Board —



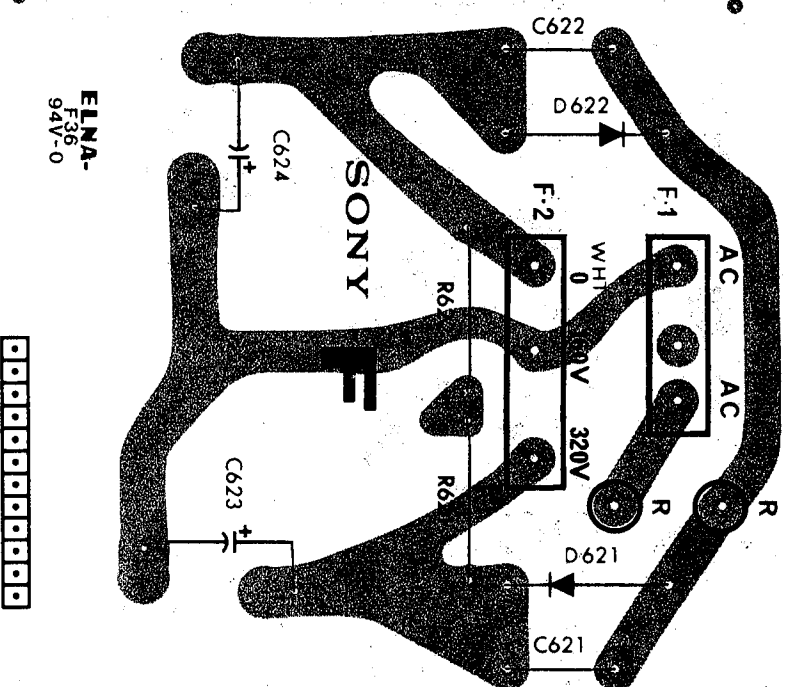
D	E	F	G	H	I	J	K
---	---	---	---	---	---	---	---

SONY

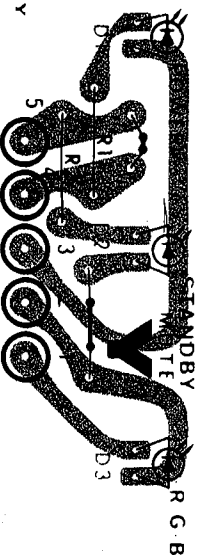
SC-55

1-601-981-12

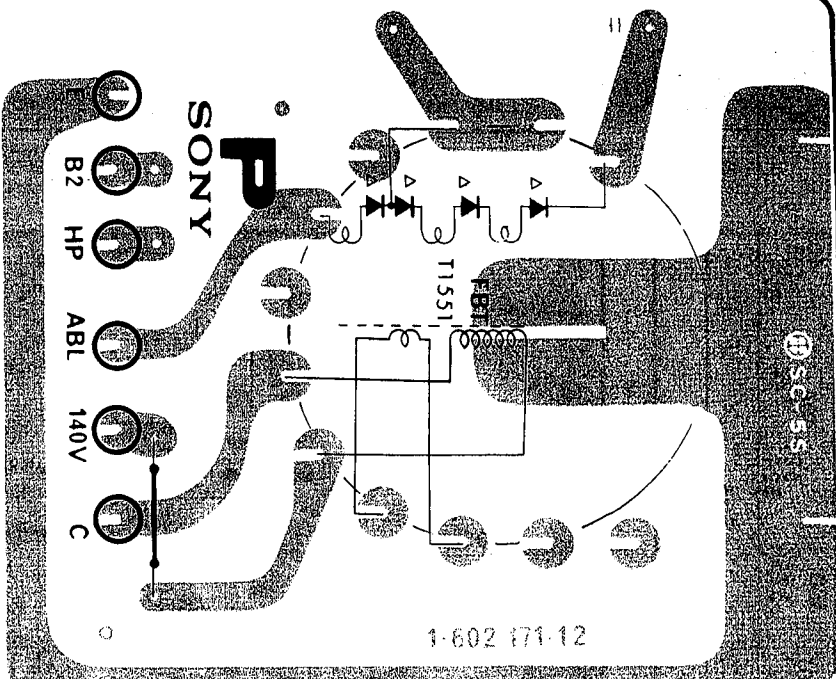
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1-593-222-11



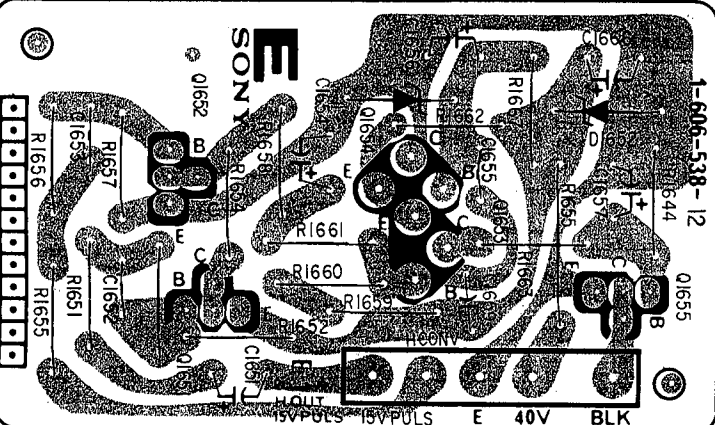
1-606-053-11
1-593-222-11



1 604 845 11



1-602 171.12



1-606-538-12

558
R169

1685

15V



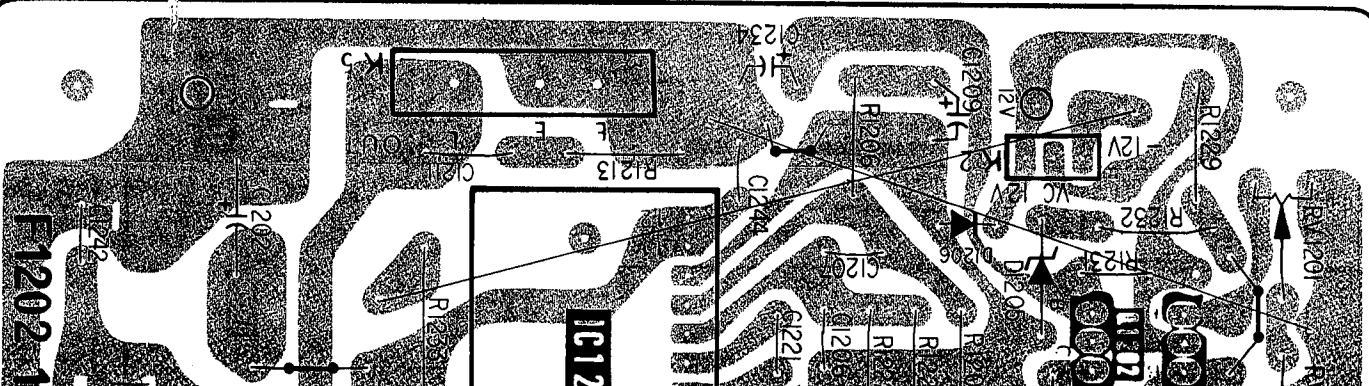
12

02



The image shows a top-down view of a populated PCB. The following components and labels are identified:

- Resistors:** R1209, R1210, R1211, R1212, R1213, R1214, R1215, R1216, R1217, R1218, R1219, R1220, R1221, R1222, R1223, R1224, R1225, R1226, R1227, R1228, R1229, R1230, R1231, R1232, R1233, R1234, R1235, R1236, R1237, R1238, R1239, R1240, R1241, R1242, R1243, R1244, R1245, R1246, R1247, R1248, R1249, R1250, R1251, R1252, R1253, R1254, R1255, R1256, R1257, R1258, R1259, R1260, R1261, R1262, R1263, R1264, R1265, R1266, R1267, R1268, R1269, R1270, R1271, R1272, R1273, R1274, R1275, R1276, R1277, R1278, R1279, R1280, R1281, R1282, R1283, R1284, R1285, R1286, R1287, R1288, R1289, R1290, R1291, R1292, R1293, R1294, R1295, R1296, R1297, R1298, R1299, R1300.
- Capacitors:** C1201, C1202, C1203, C1204, C1205, C1206, C1207, C1208, C1209, C1210, C1211, C1212, C1213, C1214, C1215, C1216, C1217, C1218, C1219, C1220, C1221, C1222, C1223, C1224, C1225, C1226, C1227, C1228, C1229, C1230, C1231, C1232, C1233, C1234, C1235, C1236, C1237, C1238, C1239, C1240, C1241, C1242, C1243, C1244, C1245, C1246, C1247, C1248, C1249, C1250, C1251, C1252, C1253, C1254, C1255, C1256, C1257, C1258, C1259, C1260, C1261, C1262, C1263, C1264, C1265, C1266, C1267, C1268, C1269, C1270, C1271, C1272, C1273, C1274, C1275, C1276, C1277, C1278, C1279, C1280, C1281, C1282, C1283, C1284, C1285, C1286, C1287, C1288, C1289, C1290, C1291, C1292, C1293, C1294, C1295, C1296, C1297, C1298, C1299, C1300.
- Diodes:** D1201, D1202, D1203, D1204, D1205, D1206, D1207, D1208, D1209, D1210, D1211, D1212, D1213, D1214, D1215, D1216, D1217, D1218, D1219, D1220, D1221, D1222, D1223, D1224, D1225, D1226, D1227, D1228, D1229, D1230, D1231, D1232, D1233, D1234, D1235, D1236, D1237, D1238, D1239, D1240, D1241, D1242, D1243, D1244, D1245, D1246, D1247, D1248, D1249, D1250, D1251, D1252, D1253, D1254, D1255, D1256, D1257, D1258, D1259, D1260, D1261, D1262, D1263, D1264, D1265, D1266, D1267, D1268, D1269, D1270, D1271, D1272, D1273, D1274, D1275, D1276, D1277, D1278, D1279, D1280, D1281, D1282, D1283, D1284, D1285, D1286, D1287, D1288, D1289, D1290, D1291, D1292, D1293, D1294, D1295, D1296, D1297, D1298, D1299, D1300.
- Integrated Circuits (ICs):** IC1201, IC1202, IC1203, IC1204, IC1205, IC1206, IC1207, IC1208, IC1209, IC1210, IC1211, IC1212, IC1213, IC1214, IC1215, IC1216, IC1217, IC1218, IC1219, IC1220, IC1221, IC1222, IC1223, IC1224, IC1225, IC1226, IC1227, IC1228, IC1229, IC1230, IC1231, IC1232, IC1233, IC1234, IC1235, IC1236, IC1237, IC1238, IC1239, IC1240, IC1241, IC1242, IC1243, IC1244, IC1245, IC1246, IC1247, IC1248, IC1249, IC1250, IC1251, IC1252, IC1253, IC1254, IC1255, IC1256, IC1257, IC1258, IC1259, IC1260, IC1261, IC1262, IC1263, IC1264, IC1265, IC1266, IC1267, IC1268, IC1269, IC1270, IC1271, IC1272, IC1273, IC1274, IC1275, IC1276, IC1277, IC1278, IC1279, IC1280, IC1281, IC1282, IC1283, IC1284, IC1285, IC1286, IC1287, IC1288, IC1289, IC1290, IC1291, IC1292, IC1293, IC1294, IC1295, IC1296, IC1297, IC1298, IC1299, IC1300.
- Other Components:** J1201, J1202, J1203, J1204, J1205, J1206, J1207, J1208, J1209, J1210, J1211, J1212, J1213, J1214, J1215, J1216, J1217, J1218, J1219, J1220, J1221, J1222, J1223, J1224, J1225, J1226, J1227, J1228, J1229, J1230, J1231, J1232, J1233, J1234, J1235, J1236, J1237, J1238, J1239, J1240, J1241, J1242, J1243, J1244, J1245, J1246, J1247, J1248, J1249, J1250, J1251, J1252, J1253, J1254, J1255, J1256, J1257, J1258, J1259, J1260, J1261, J1262, J1263, J1264, J1265, J1266, J1267, J1268, J1269, J1270, J1271, J1272, J1273, J1274, J1275, J1276, J1277, J1278, J1279, J1280, J1281, J1282, J1283, J1284, J1285, J1286, J1287, J1288, J1289, J1290, J1291, J1292, J1293, J1294, J1295, J1296, J1297, J1298, J1299, J1300.



F1202

F

[LED]

Y

P

[F, B, T]

E

[PROTECTOR]

D

E

F

G

H

I

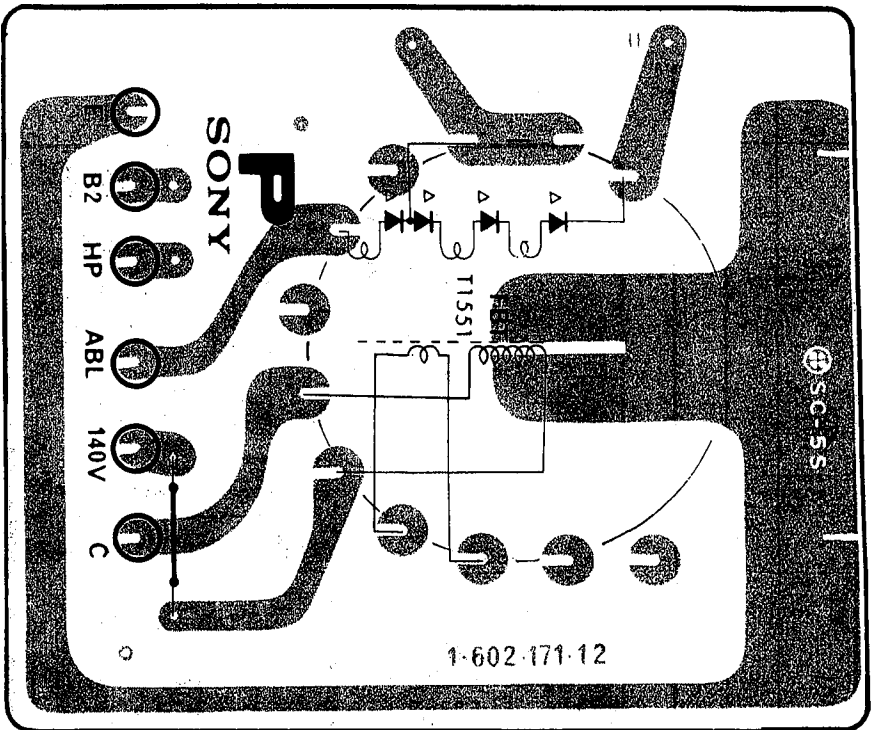
J

K

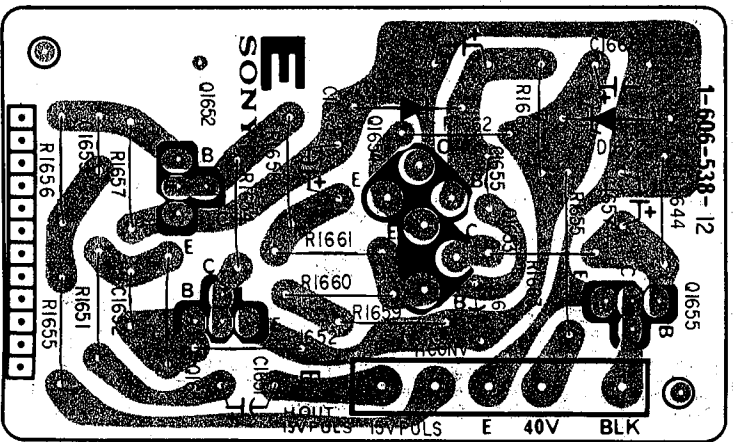
[AUDIO AMP]

K

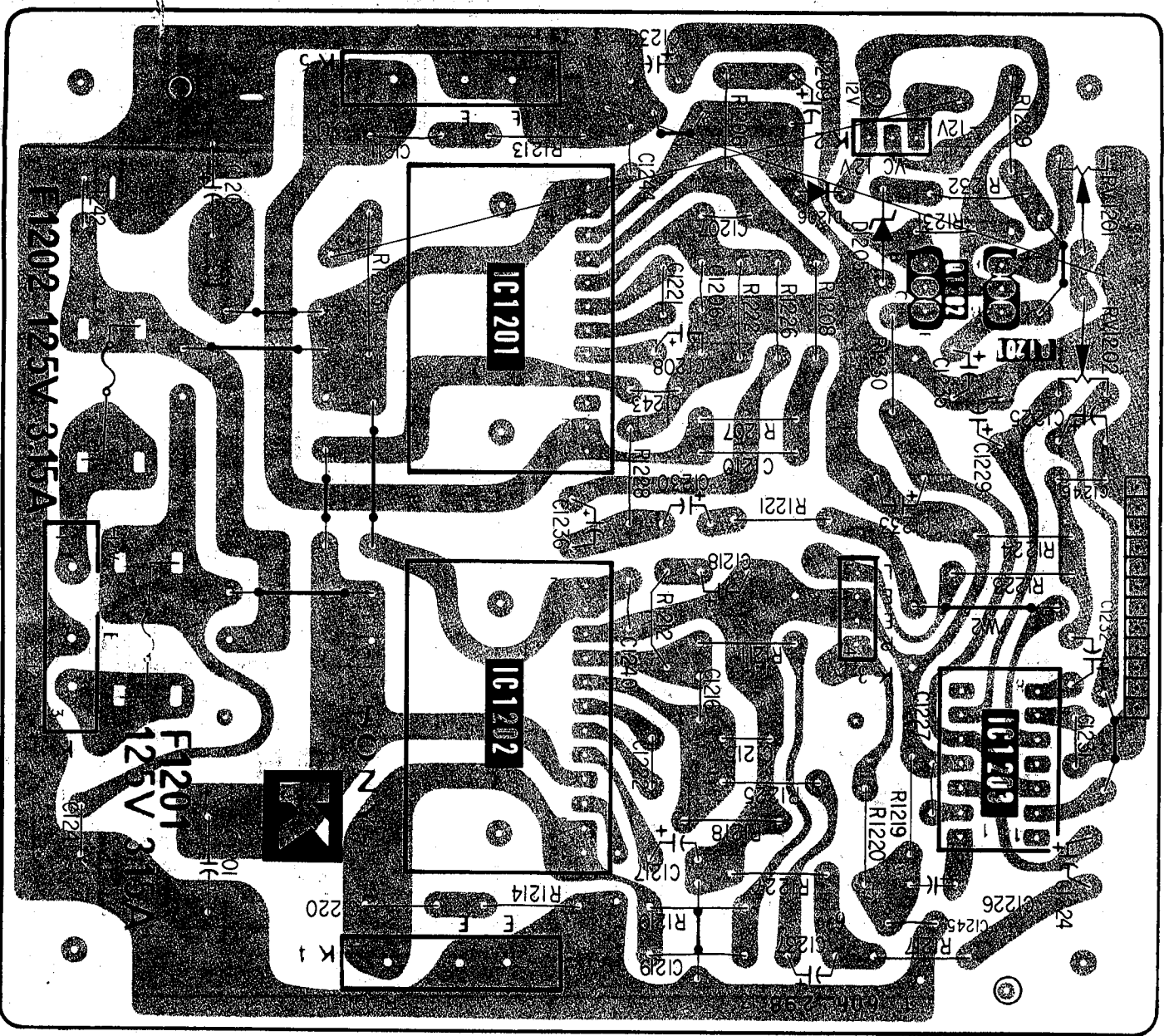
— P Board —



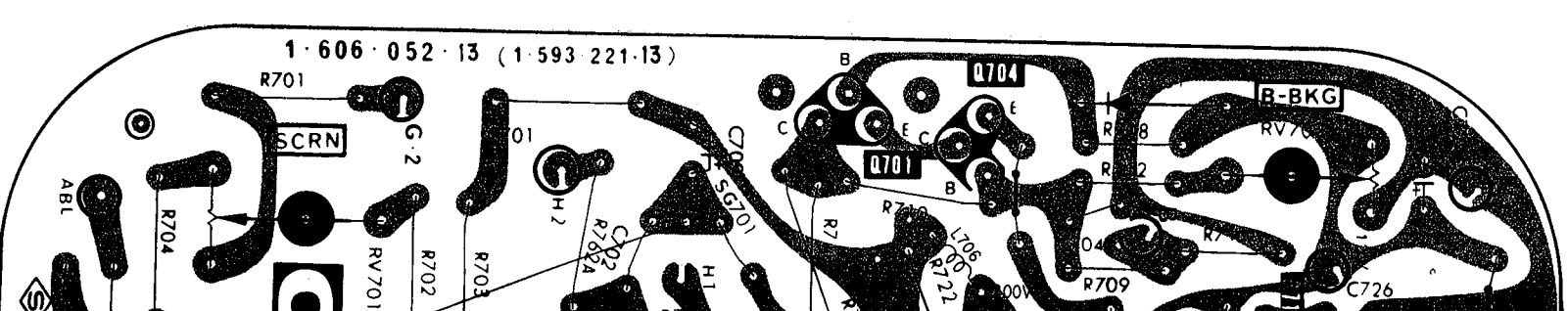
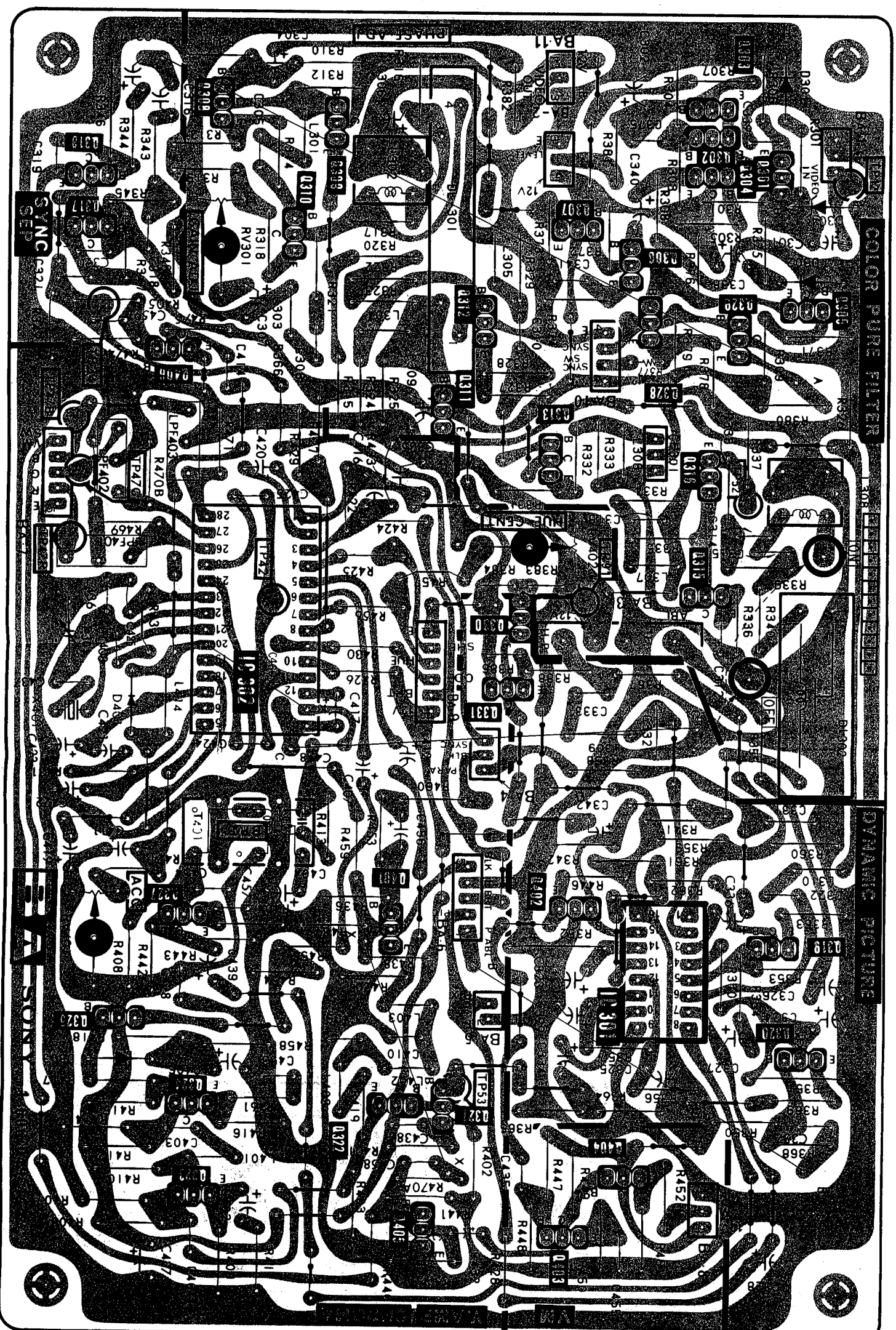
— E Board —



— K Board —



Q, IC	303 308	301 302 304 308	307 306 317	305 329 312	328 313 406	316	315	330 1C302	331	402 401	319 1C301 327	320 325	321 322 323	404 405	Q, IC
D	301	304	302						401			303			D
ADJ	RV301				RV402				CT301				RV401		ADJ



BA

C

[R-G-B OUT]

D

E

F

G

H

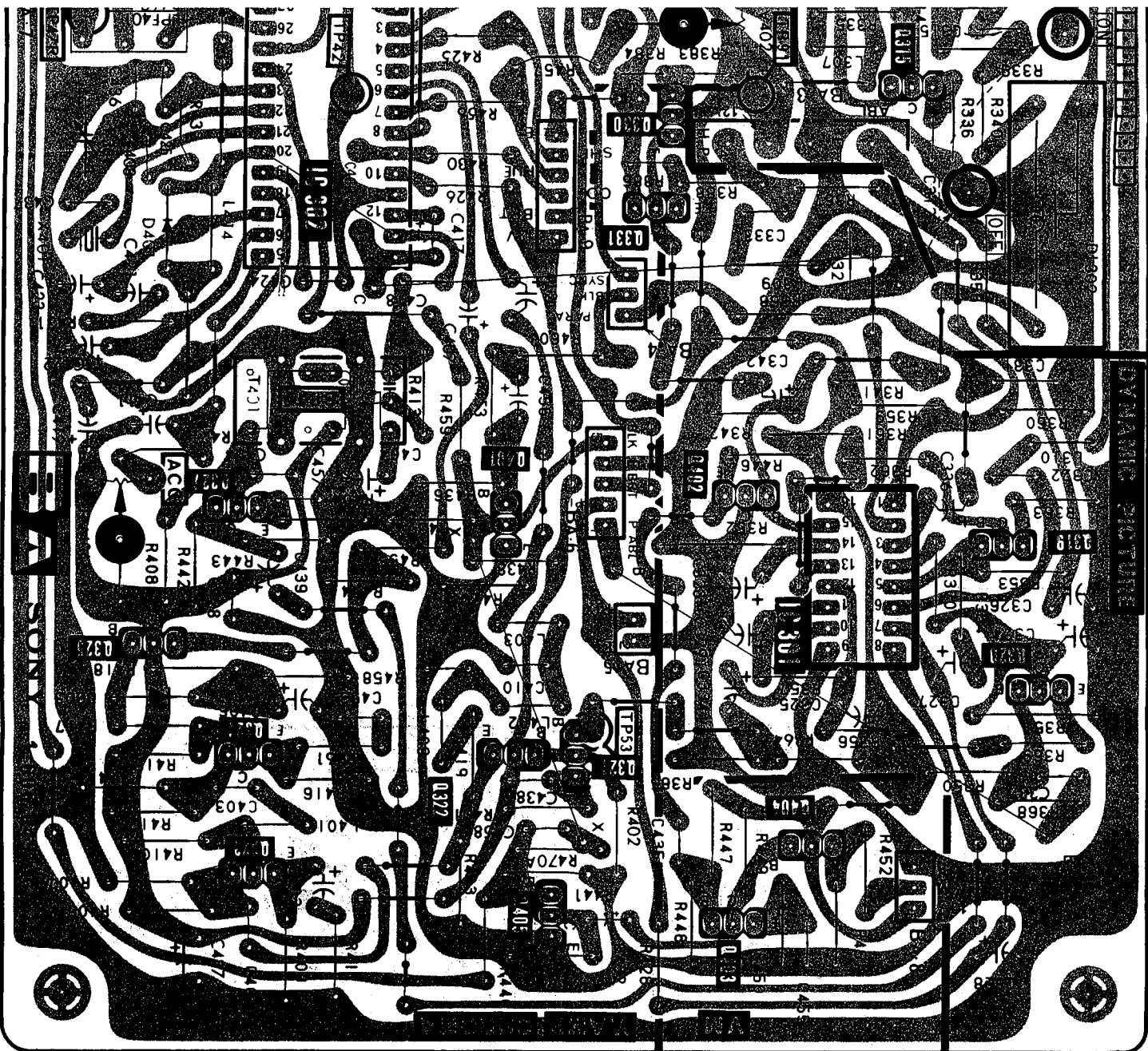
I

J

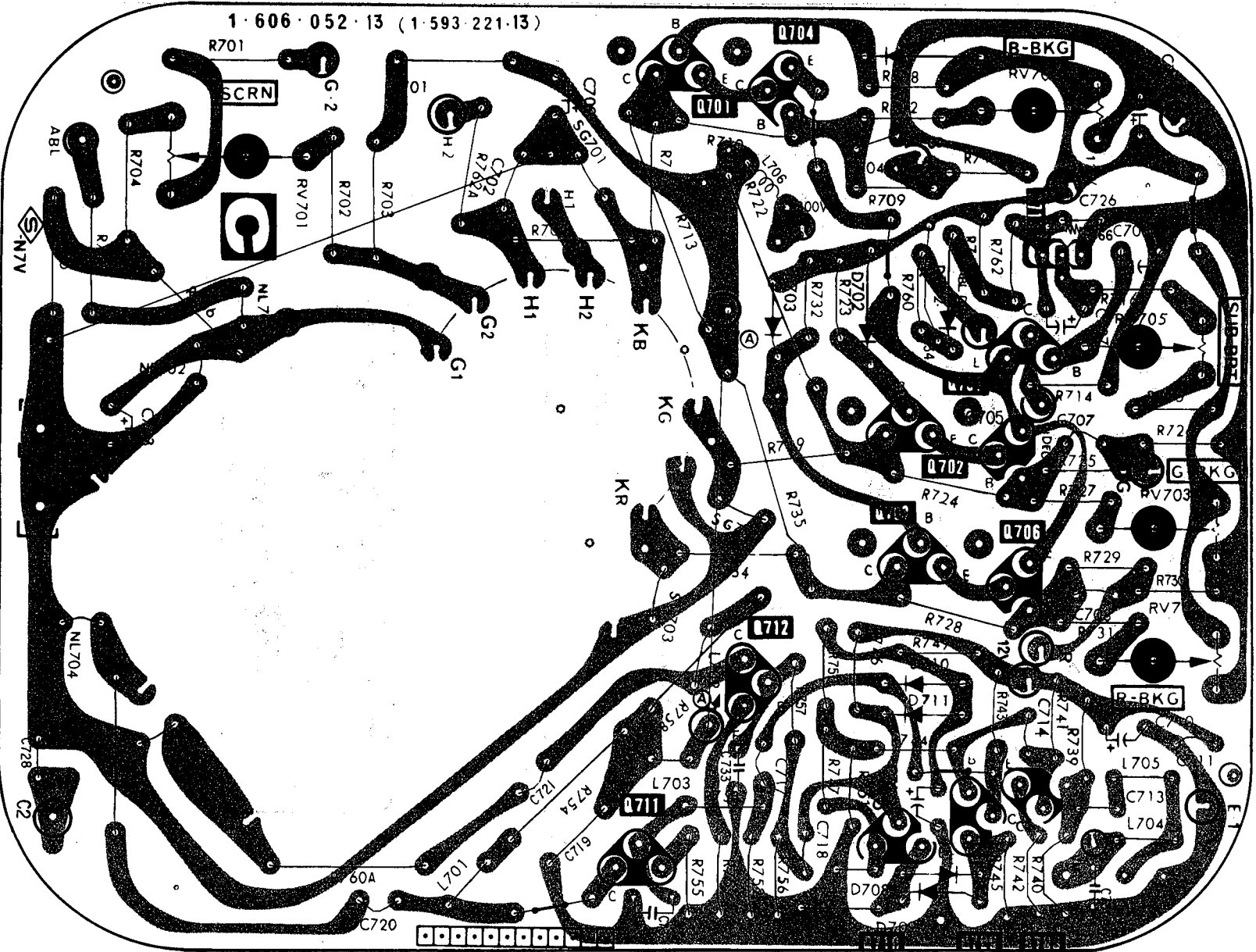
K

315	330	331	402	319	320	321	404	403
	IC302		401	327	325	324	322	405
		401						323

RV402	CT301	RV401	303	D	ADJ
-------	-------	-------	-----	---	-----



- C Board -



A

B

C

D

E

F

G

H

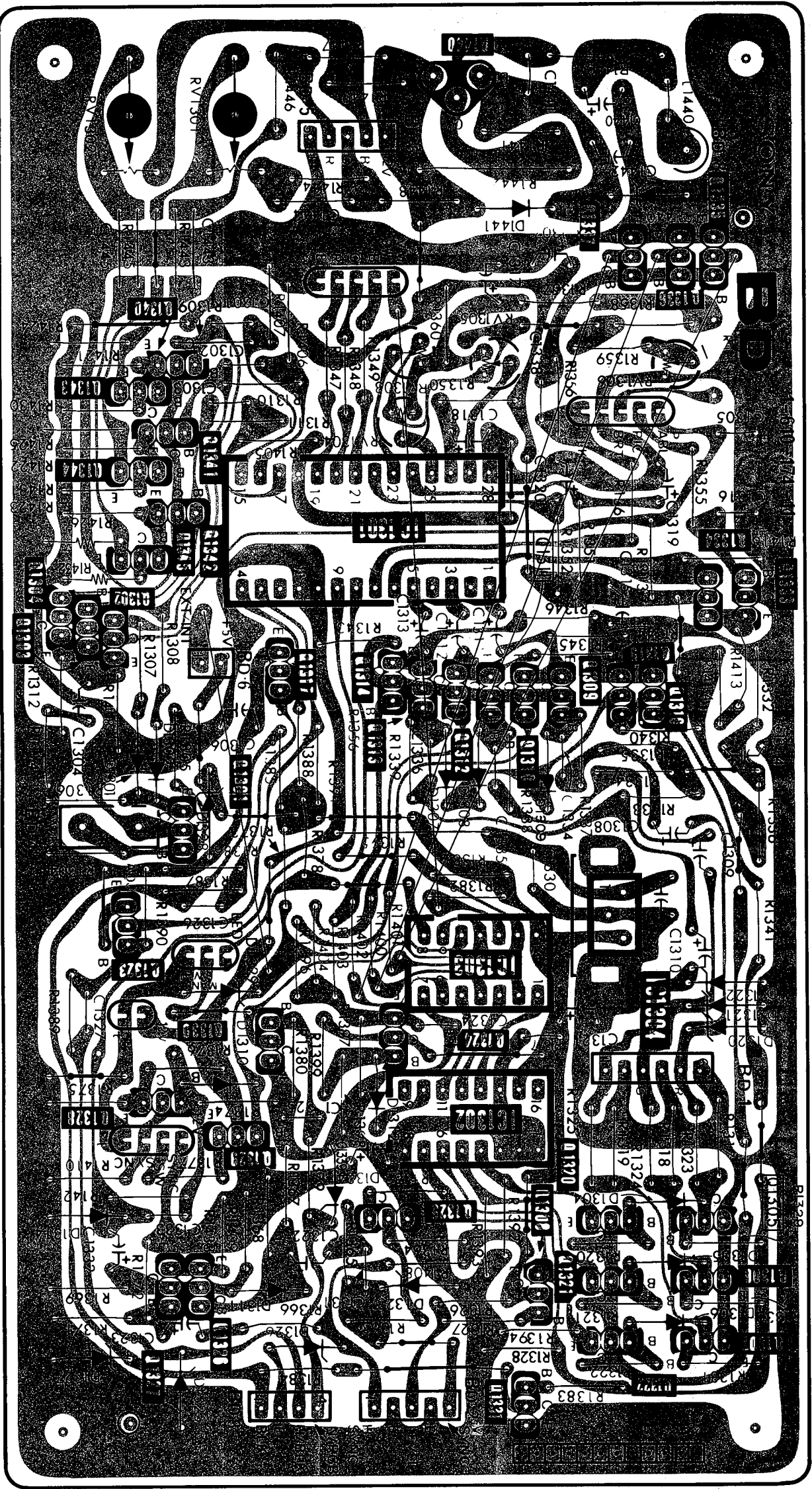
[INTERFERENCE]

BD

BD

— BD Board —

Q, IC	1440	1335 1336 1337	1333 1334 1342 1340 1343 1341 1344 1345 1304 1317 1313 1314	1315 1309 1310 1301	1316 1312 1301	1323 1323 1330 1328 1329 1310	1304 1324 1302 1320 1305 1308 1321	1306 1321	1307 1322 1326 1331 1327	Q, IC
	1440 1441									
D		1440 1441		1302 1301	1308 1307 1328	1322 1321 1320 1312	1304 1324 1305 1306 1323 1311	1326 1327		D
AD J	RV1301 RV1302	RV1305 RV1306 RV1303 RV1304								AD J



5

4

3

2

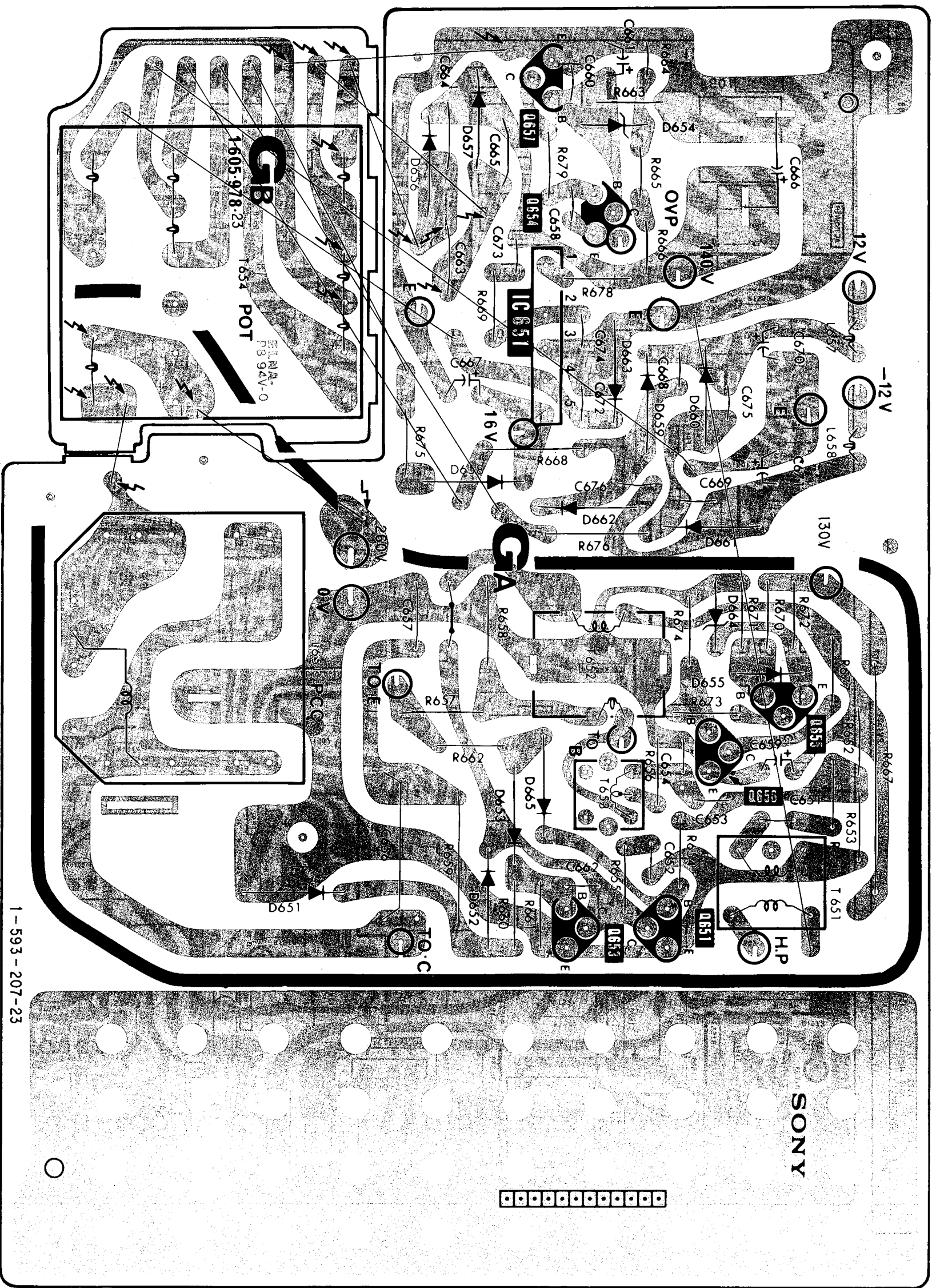
1

– N Board –

1201 1202
1203 1205 1204

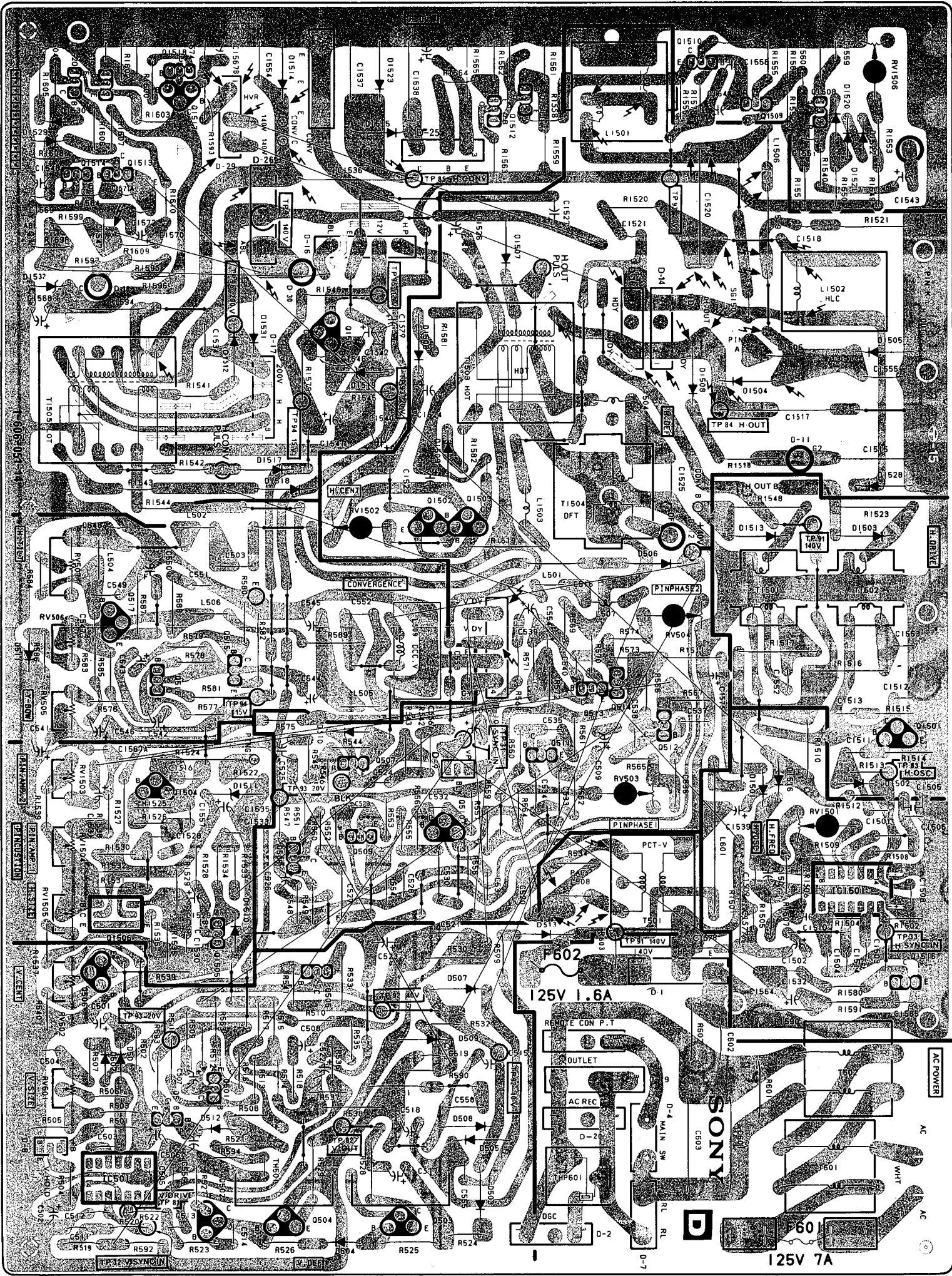


— GA Board —



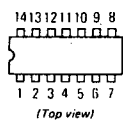
1-593-207-23

Q, IC	1508	1509	1501	1503	512	510	IC1501	1516	505	503	504	Q, IC						
D	1510	1511	1507	1502	514	508		505	501	518		D						
	1518	1517	1513		511	509		506		IC501	502							
	1520	1522	1514		517	515	504	507										
	1523	1521	1507	1503	512	509		507	509	508	505		503	504				
ADJ	1514	1530	1529	1532	1531	1512	1519	1528	1509	1513	1516	ADJ						
								1517	1518	1506								
	RV1506						RV1502		RV504	RV506	RV505	RV503	RV501	RV504	RV1505	RV502	RV1501	



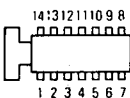
4-5. SEMICONDUCTORS

CX157
SN7406N
SN75154
TC4016BP



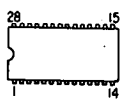
(Top view)

CX158



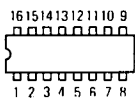
(Top view)

CX556B
CX22019



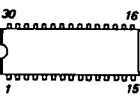
(Top view)

CX841
HD75154
SN75154N
μPD4053BC



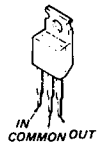
(Top view)

LA2600
LA2600S



(Top view)

NJM78M05A

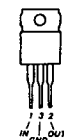


μPC1188H

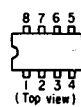


(Marking side view)

μPC78M05H

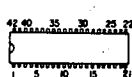


μPC4558C



(Top view)

μPD546C236

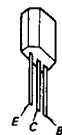


(Top view)

2SA1015
2SA733
2SA773
2SC1363
2SC1364
2SC1815
2SC945
2SC1890
2SC1890A
JC501



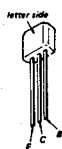
2SA1026



2SA1048
2SA1115
2SC2458
2SC2603
2SC2604



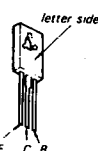
2SA1175
2SA1175F
2SC2785



2SA893
2SA893A
2SB740
2SD789



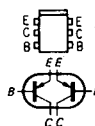
2SA1220A
2SC2690A



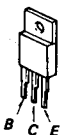
2SB734
2SD774
2SC2958
2SC2959



2SC1963



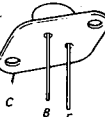
2SC1061
2SC1419
2SC1447
2SC1723
2SC2238B



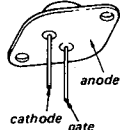
2SC2278



2SD725



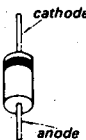
SG264
SG264A



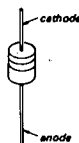
2SK107-2



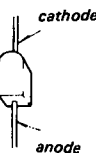
1N4148H
1S1555
1S2076
1S2473
1SS133
ERD28-08S
RD11E-B
RD15E-B
RD15E-B3
RD16E-B1
RD16E-B2
RD16E-B3
RD20E-N2
RD24E-BZ7
RD4.7E-B
RD4.7E-B2
RD6.2E-L3
RD7.5E-B
RD7.5E-N3
US1035



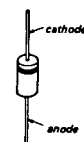
1SS119
1SS120
1SS148



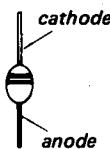
HF1
HF1Z



10E2
EQA01-13R
EQA01-15R



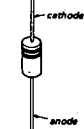
GH3F
GU3A
V11N
U05E
U05G



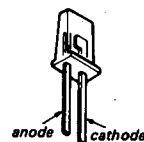
ERC26-13SA
ERC26-15S
ERC26-15SA



EQB01-13
EQB01-15
SIB01-02
RH1
RH1A
RH1Z



SG232D
SR632D



SECTION 5 EXPLODED VIEWS

NOTE:

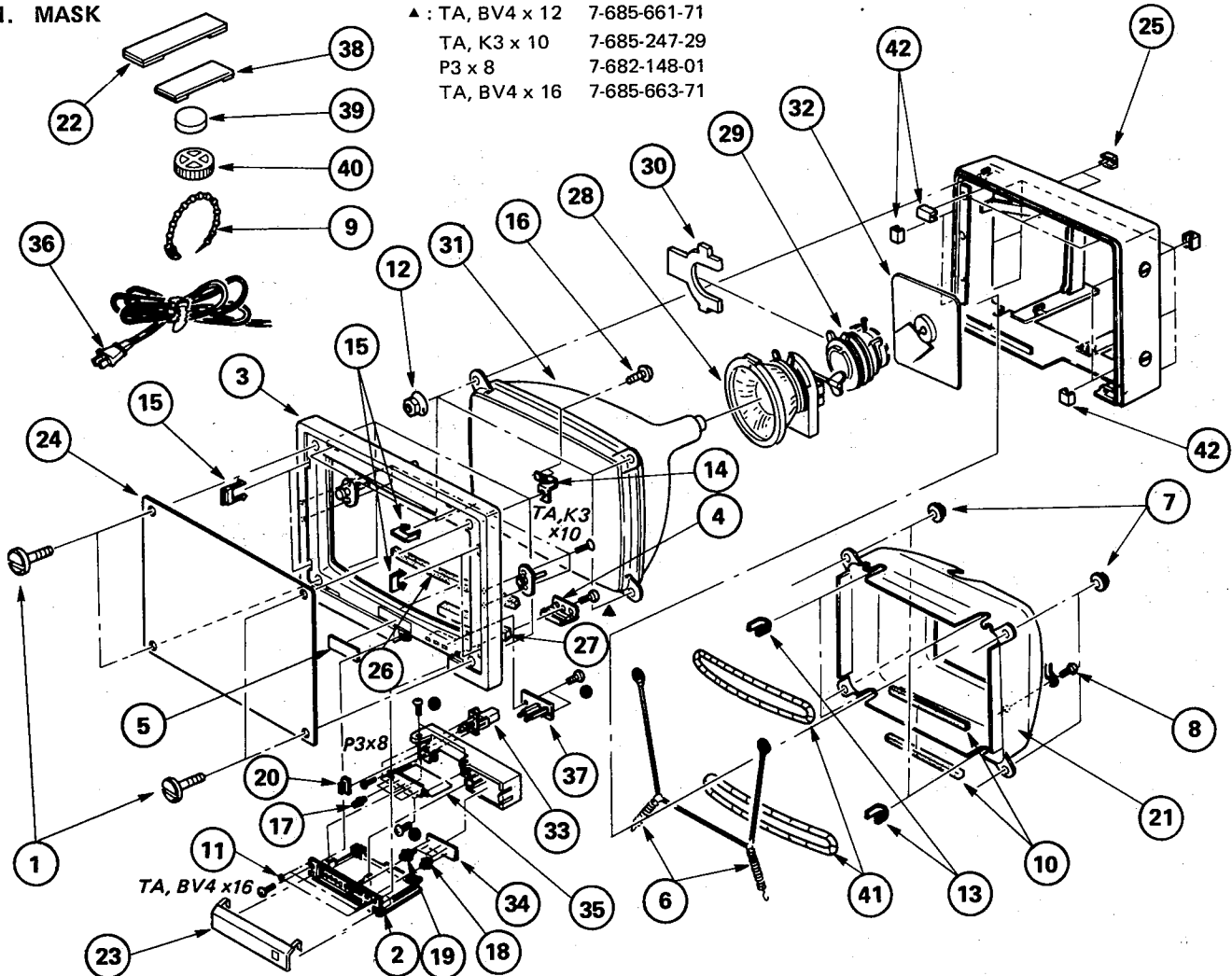
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "▲" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

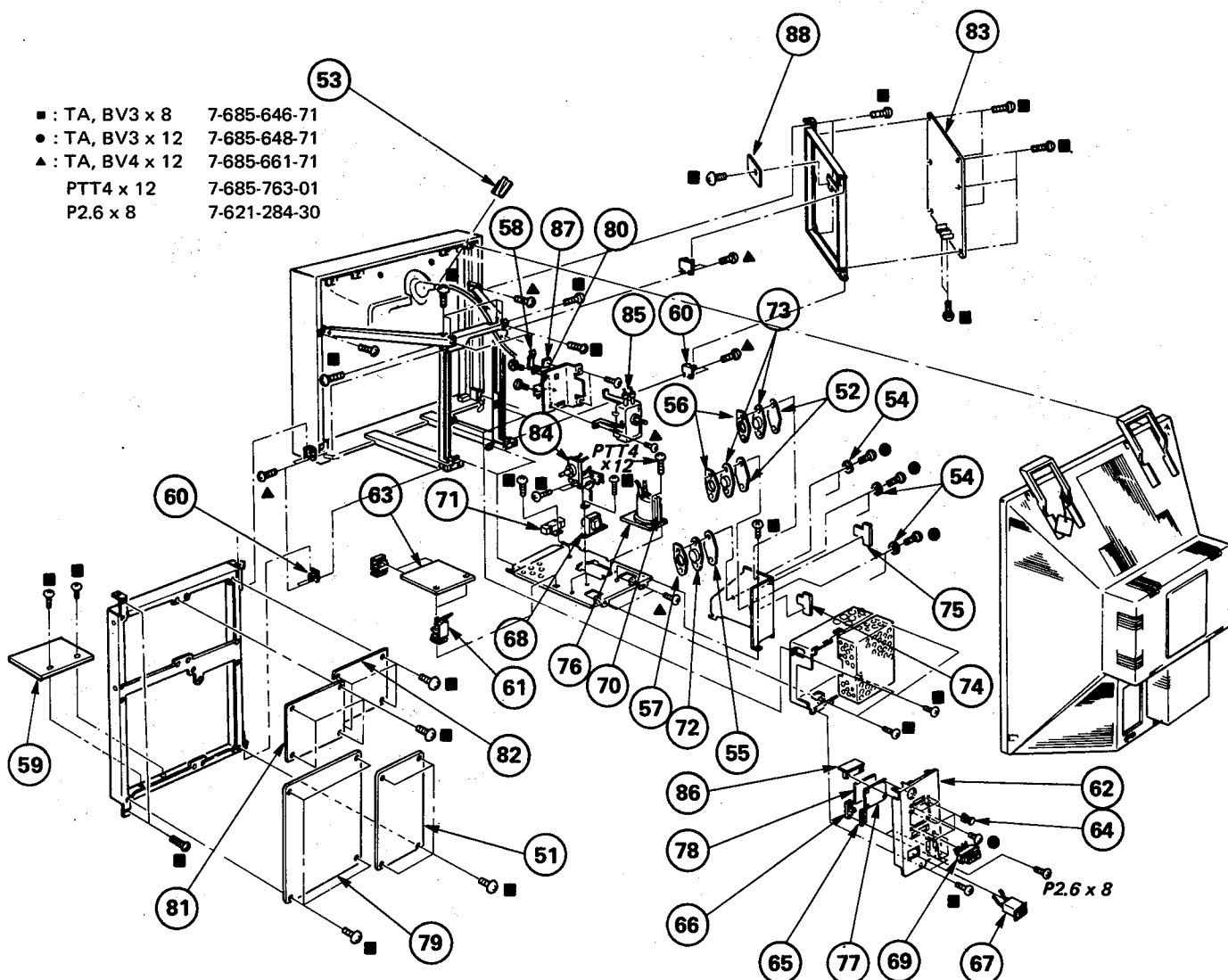
5-1. MASK

- TA, BV3 x 12 7-685-648-71
- ▲ TA, BV4 x 12 7-685-661-71
- TA, K3 x 10 7-685-247-29
- P3 x 8 7-682-148-01
- TA, BV4 x 16 7-685-663-71



No.	Part No	Description	Remark	No.	Part No	Description	Remark
1	X-4366-805-0	SCREW, ORNAMENTAL		22	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
2	X-4354-301-0	PANEL ASSY, CONTROL		23	4-360-316-00	DOOR, CONTROL	
3	X-4342-013-3	BEZEL ASSY	4,5,14,15, 16,26,27	24	4-342-019-00	FILTER	
4	X-4342-008-0	RETAINER ASSY, FILTER		25	▲:4-860-518-11	PACKING, TWEETER	
5	X-3701-080-0	EMBLEM, SONY, ASSY (LARGE)		26	4-350-249-00	CUSHION, CRT	
6	4-303-774-XX	SPRING		27	4-342-053-00	CUSHION (B)	
7	4-304-511-00	NUT, FLANGE		28	▲:1-451-156-51	DEFLECTION YOKE;DY (SY-105)	
8	4-305-021-00	SCREW, TAPPING, TERMINAL, +BV3X8		29	▲:1-452-236-11	CRT NECK ASSY	
9	4-308-870-00	CLIP, LEAD WIRE		30	1-452-146-00	MAGNET,BMC	
10	4-310-778-00	CUSHION (A), CRT		31	▲:8-738-408-05	CRT 680DB22A	
11	4-316-264-11	CUSHION		32	▲:A-1330-434-A	C BOARD, COMPLETE	
12	4-330-305-00	NUT, SPECIAL		33	▲:1-553-262-31	SWITCH, PUSH (POWER SWITCH)	
13	▲:4-330-306-00	BUSHING, CRT INSULATING		34	▲:1-604-960-00	H1 BOARD	
14	4-341-905-00	NUT, PLATE (A)		35	▲:1-604-961-00	H2 BOARD	
15	4-336-815-00	STOPPER, FILTER		36	▲:1-551-478-12	CORD, POWER	
16	3-703-136-00	SCREW, TAPPING		37	▲:1-604-845-00	Y BOARD	
17	4-359-911-00	KNOB (A)		38	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
18	4-341-909-21	BUTTON (A)		39	1-452-032-00	MAGNET,DISC	
19	4-341-910-31	BUTTON (B)		40	1-452-094-00	MAGNET, ROTATABLE DISK; 15mm ϕ	
20	4-341-911-31	BUTTON (C)		41	▲:1-426-059-21	COIL, DEGAUSSING, DGC	
21	▲:4-336-359-00	SHIELD, CRT		42	▲:4-858-803-11	PLATE, PREVENTION, REFLECTION	

5-2. CHASSIS



- : TA, BV3 x 8 7-685-646-71
- : TA, BV3 x 12 7-685-648-71
- ▲ : TA, BV4 x 12 7-685-661-71
- ◆ : PTT4 x 12 7-685-763-01
- : P2.6 x 8 7-621-284-30

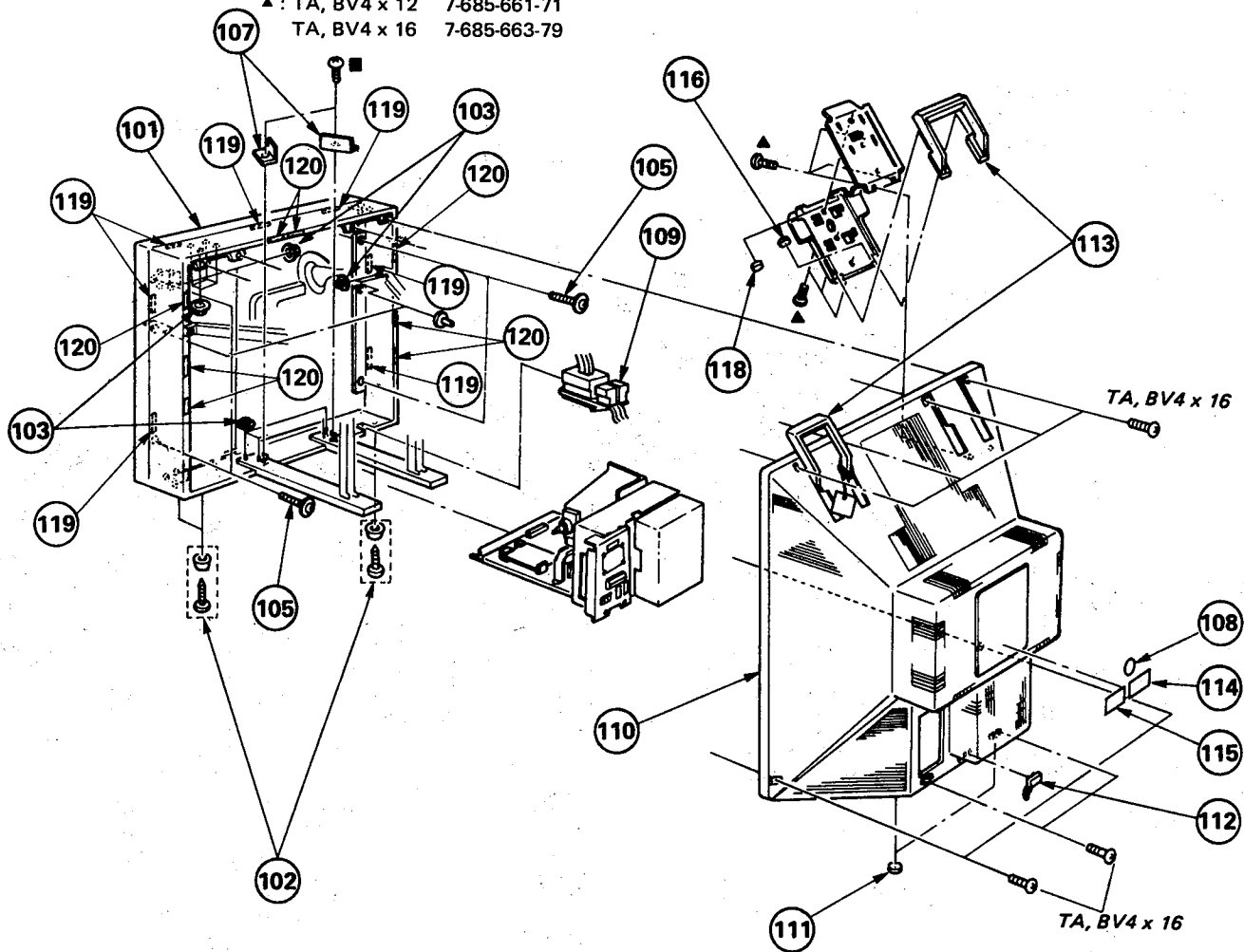
No.	Part No	Description	Remark
51	▲:A-1130-242-A	BD BOARD, COMPLETE	
52	3-701-353-00	SPACER, MICA	
53	3-703-003-00	SPACER, DY	
54	3-703-320-00	BUSHING (A), TRANSISTOR	
55	4-303-844-00	SPACER, MICA (4) MD-17	
56	▲:4-314-938-01	RETAINER (TO-3), TRANSISTOR	
57	▲:4-309-762-00	RETAINER (MD-17), TRANSISTOR	
58	4-327-002-00	REG HOLD	
59	▲:1-610-175-00	BE BOARD	
60	▲:4-342-010-00	HINGE, LOWER	
61	▲:3-703-141-00	HOLDER, PCB	
62	4-354-314-00	BOARD, TERMINAL	
63	▲:1-606-053-00	F BOARD	
64	4-812-134-11	RIVET NYLON, 3.5	
65	▲:4-342-079-00	SPACER	
66	1-514-524-00	SLIDE SWITCH	
67	▲:1-561-347-11	OUTLET, AC	
68	▲:1-447-120-21	TRANSFORMER, POWER;PT	
69	1-536-600-00	TERMINAL, PUSH	
70	▲:1-439-276-12	TRANSFORMER ASSY, FLYBACK;FBT	

No.	Part No	Description	Remark
71	▲:1-217-618-11	RES, WIREWOUND 112A(15W)	
72	▲:8-726-404-10	THYRISTOR SG264	
73	▲:8-729-372-53	TRANSISTOR 2SD725-04	
74	▲:1-602-172-00	X1 BOARD	
75	▲:1-602-173-00	X2 BOARD	
76	▲:1-602-171-00	P BOARD	
77	1-536-693-00	TERMINAL BOARD, CONNECTOR	
78	▲:1-606-092-21	U1 BOARD	
79	▲:A-1135-217-A	BA BOARD, COMPLETE	
80	▲:1-601-981-00	Z BOARD	
81	▲:A-1280-177-A	N BOARD, COMPLETE	
82	▲:A-1385-027-A	K BOARD, COMPLETE	
83	▲:A-1345-425-A	D BOARD, COMPLETE	
84	▲:1-215-066-21	RES ASSY, HIGH-VOLTAGE;MVR	
85	▲:1-228-484-11	RESISTOR ASSY, HIGH-VOLTAGE;HVR	
86	▲:1-610-176-00	U2 BOARD	
87	4-342-013-00	SPACER, MICA	
88	▲:A-1345-363-A	E BOARD, COMPLETE	

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

5-3. CABINET

- : TA, BV3 x 8 7-685-646-71
 ▲ : TA, BV4 x 12 7-685-661-71
) TA, BV4 x 16 7-685-663-79

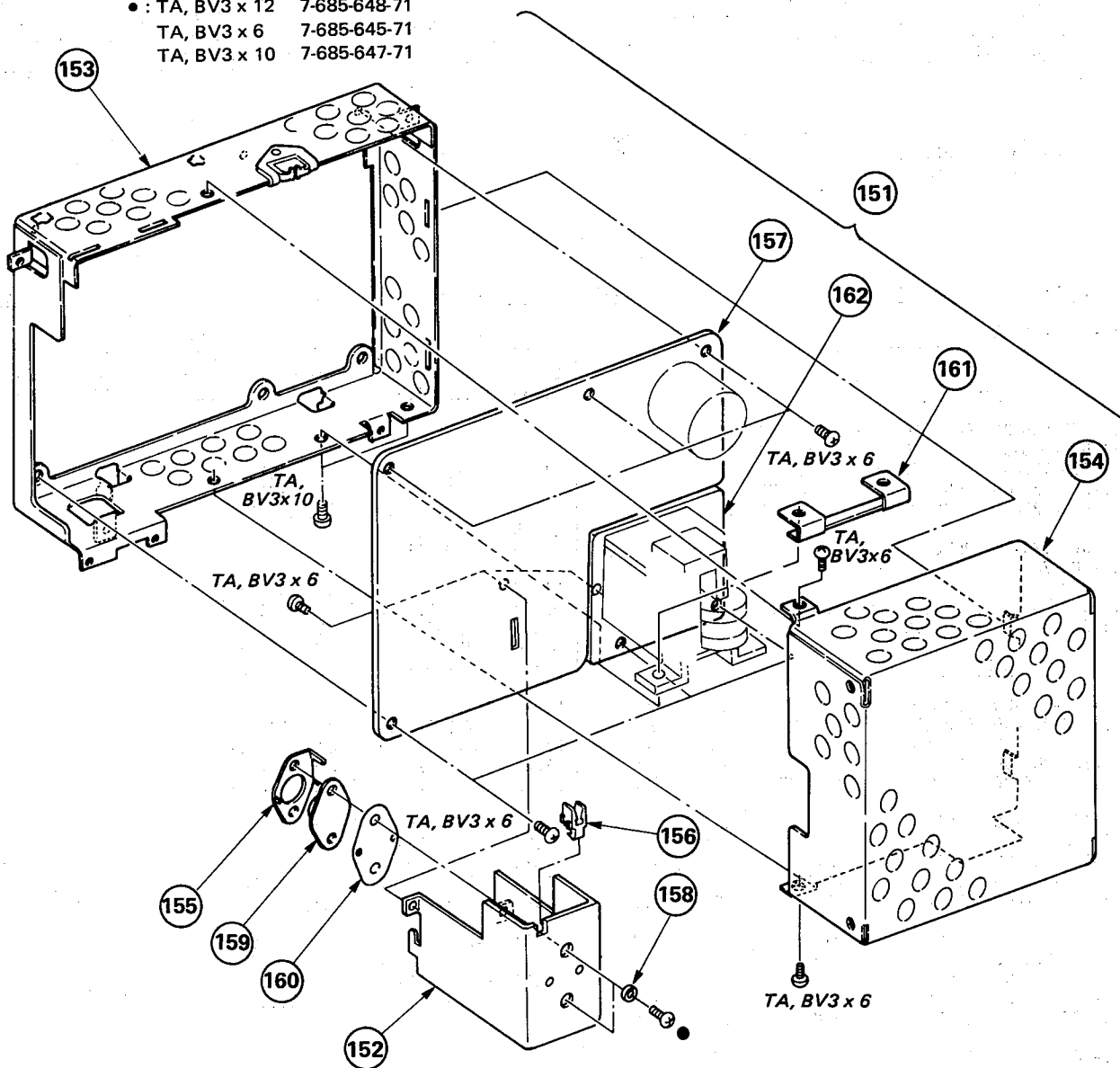


No.	Part No	Description	Remark	No.	Part No	Description	Remark
101	X-4342-015-4	CABINET ASSY (SILVER)	{ 102,103,105, 107,119,120	111	4-310-721-00	CUSHION, CABINET	
	X-4342-015-5	CABINET ASSY (WOOD)		112	4-329-127-00	CLAMP, CORD	
102	X-4310-310-0	FOOT ASSY		113	4-342-020-00	HANDLE	
103	4-304-749-00	NUT, FLANGE		114	3-703-228-00	LABEL, CAUTION	
105	4-319-520-00	SCREW, SPECIAL (+PW4X30)		115	4-354-327-00	LABEL, MODEL NUMBER	
107	4-342-069-00	GUIDE		116	4-314-871-00	CUSHION	
108	3-701-915-01	LABEL, UL		118	3-536-682-01	FELT, BACK TENSION	
109	4-355-621-01	HOLDER, CORD AC		119	4-858-803-11	PLATE, PREVENTION, REFLECTION	
110	X-4354-303-0	COVER ASSY, REAR	111,112,113,116, 118	120	4-860-518-11	PACKING, TWEETER	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

5-4. X-Y POWER BLOCK

- : TA, BV3 x 12 7-685-648-71
- TA, BV3 x 6 7-685-645-71
- TA, BV3 x 10 7-685-647-71



No.	Part No	Description	Remark	No.	Part No	Description	Remark
151	▲:1-413-084-00	POWER BLOCK, X-Y	152,153,154,155, 156,157,158,159, 160,161,162	156	4-333-157-00	RETAINER, AC CORD	
152	▲:3-706-519-00	HEAT SINK, REG		157	▲:1-605-977-21	PC BOARD, GA	
153	▲:3-706-520-00	BRACKET, G PC BOARD		158	3-703-320-00	BUSHING (A), TRANSISTOR	
154	▲:3-706-521-00	CASE, SHIELD, G BLOCK		159	8-729-286-91	TRANSISTOR 2SD869-1	
155	▲:4-307-456-00	HOLDER, (TO-3)		160	3-701-353-00	SPACER, MICA	
				161	▲:3-706-518-00	HOLDER, POT	
				162	▲:1-605-978-21	PC BOARD, GB	

SECTION 6 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• Items marked " Δ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ PF

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
	Δ :A-1130-242-A	BD BOARD, COMPLETE *****		C1442	1-123-328-00	ELECT 4.7MF 20% 25V	
		<u>CONNECTOR</u>		C1443	1-161-315-00	CERAMIC 220PF 10% 50V	
BA6	Δ :1-555-965-00	CONNECTOR ASSY (2.5MM) 5P		C1444	1-161-315-00	CERAMIC 220PF 10% 50V	
BA7	Δ :1-555-965-00	CONNECTOR ASSY (2.5MM) 5P		C1445	1-161-315-00	CERAMIC 220PF 10% 50V	
BA10	Δ :1-556-103-00	CONNECTOR ASSY (2.5MM) 4P				<u>DIODE</u>	
BD1	Δ :1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		D1301	8-719-911-19	DIODE 1SS119	
BD2	Δ :1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D1302	8-719-911-19	DIODE 1SS119	
		<u>CAPACITOR</u>		D1304	8-719-911-19	DIODE 1SS119	
BD3	Δ :1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P		D1305	8-719-911-19	DIODE 1SS119	
BD4	Δ :1-508-786-00	2P PLUG (M)		D1306	8-719-911-19	DIODE 1SS119	
BD5	Δ :1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P		D1307	8-719-911-19	DIODE 1SS119	
BD6	Δ :1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D1308	8-719-911-19	DIODE 1SS119	
BD8	Δ :1-508-784-00	1P PLUG		D1309	8-719-911-19	DIODE 1SS119	
		<u>CAPACITOR</u>		D1310	8-719-911-19	DIODE 1SS119	
C1301	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1311	8-719-911-19	DIODE 1SS119	
C1302	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1312	8-719-911-19	DIODE 1SS119	
C1303	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1314	8-719-911-19	DIODE 1SS119	
C1304	1-123-380-00	ELECT 1MF 20% 50V		D1320	8-719-175-07	DIODE RD7.5E-B	
C1305	1-102-074-00	CERAMIC 0.001MF 10% 50V		D1321	8-719-175-07	DIODE RD7.5E-B	
		<u>CAPACITOR</u>		D1322	8-719-175-07	DIODE RD7.5E-B	
C1306	1-123-356-00	ELECT 10MF 20% 16V		D1323	8-719-175-07	DIODE RD7.5E-B	
C1307	1-123-333-00	ELECT 100MF 20% 16V		D1324	8-719-115-07	DIODE RD15E-B	
C1308	1-123-332-00	ELECT 47MF 20% 16V		D1325	8-719-175-07	DIODE RD7.5E-B	
C1309	1-123-332-00	ELECT 47MF 20% 16V		D1326	8-719-175-07	DIODE RD7.5E-B	
C1310	1-123-332-00	ELECT 47MF 20% 16V		D1327	8-719-175-07	DIODE RD7.5E-B	
		<u>CAPACITOR</u>		D1328	8-719-175-07	DIODE RD7.5E-B	
C1311	1-123-356-00	ELECT 10MF 20% 16V		D1329	8-719-175-07	DIODE RD7.5E-B	
C1312	1-123-356-00	ELECT 10MF 20% 16V		D1440	8-719-931-13	DIODE EQB01-13	
C1313	1-123-356-00	ELECT 10MF 20% 16V		D1441	8-719-911-19	DIODE 1SS119	
C1314	1-123-356-00	ELECT 10MF 20% 16V				<u>IC</u>	
C1315	1-123-356-00	ELECT 10MF 20% 16V		IC1301	8-752-201-90	IC CX22019	
		<u>CAPACITOR</u>		IC1302	8-759-951-54	IC SN75154N	
C1316	1-102-125-00	CERAMIC 0.0047MF 10% 50V		IC1303	8-759-974-06	IC SN7406N	
C1317	1-123-356-00	ELECT 10MF 20% 16V		IC1304	8-759-170-05	IC UPC78M05H	
C1318	1-121-392-00	ELECT 3.3MF 25V				<u>COIL</u>	
C1319	1-121-392-00	ELECT 3.3MF 25V		L1440	1-407-160-XX	MICRO INDUCTOR 18UH	
C1320	1-121-392-00	ELECT 3.3MF 25V				<u>CONNECTOR</u>	
		<u>CAPACITOR</u>		N7	Δ :1-556-016-00	CONNECTOR ASSY (2.5MM) 3P	
C1321	1-123-328-00	ELECT 4.7MF 20% 25V		N8	Δ :1-555-958-00	CONNECTOR ASSY (2.5MM) 2P	
C1322	1-123-380-00	ELECT 1MF 20% 50V				<u>TRANSISTOR</u>	
C1323	1-123-380-00	ELECT 1MF 20% 50V		Q1301	8-729-178-54	TRANSISTOR 2SC2785	
C1324	1-102-074-00	CERAMIC 0.001MF 10% 50V		Q1302	8-729-178-54	TRANSISTOR 2SC2785	
C1325	1-102-125-00	CERAMIC 0.0047MF 10% 50V		Q1303	8-729-178-54	TRANSISTOR 2SC2785	
		<u>CAPACITOR</u>		Q1304	8-729-178-54	TRANSISTOR 2SC2785	
C1326	1-102-114-00	CERAMIC 470PF 10% 50V		Q1305	8-729-178-54	TRANSISTOR 2SC2785	
C1327	1-102-114-00	CERAMIC 470PF 10% 50V				<u>TRANSISTOR</u>	
C1329	1-123-332-00	ELECT 47MF 20% 25V		Q1306	8-729-178-54	TRANSISTOR 2SC2785	
C1330	1-102-125-00	CERAMIC 0.0047MF 10% 50V		Q1307	8-729-178-54	TRANSISTOR 2SC2785	
C1331	1-123-380-00	ELECT 1MF 20% 50V		Q1308	8-729-178-54	TRANSISTOR 2SC2785	
		<u>CAPACITOR</u>				<u>TRANSISTOR</u>	
C1332	1-123-356-00	ELECT 10MF 20% 16V				<u>TRANSISTOR</u>	
C1333	1-102-111-00	CERAMIC 270PF 10% 50V				<u>TRANSISTOR</u>	
C1337	1-102-125-00	CERAMIC 0.0047MF 10% 50V				<u>TRANSISTOR</u>	
C1338	1-102-112-00	CERAMIC 330PF 10% 50V				<u>TRANSISTOR</u>	
C1339	1-123-332-00	ELECT 47MF 20% 16V				<u>TRANSISTOR</u>	
		<u>CAPACITOR</u>				<u>TRANSISTOR</u>	
C1440	1-123-332-00	ELECT 47MF 20% 25V				<u>TRANSISTOR</u>	
C1441	1-102-074-00	CERAMIC 0.001MF 10% 50V				<u>TRANSISTOR</u>	

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
Q1309	8-729-178-54	TRANSISTOR 2SC2785		R1324	1-246-446-00	CARBON 75 5% 1/4W	
Q1310	8-729-178-54	TRANSISTOR 2SC2785		R1325	1-246-446-00	CARBON 75 5% 1/4W	
Q1311	8-729-178-54	TRANSISTOR 2SC2785		R1326	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1312	8-729-178-54	TRANSISTOR 2SC2785		R1327	1-246-489-00	CARBON 4.7K 5% 1/4W	
Q1313	8-729-178-54	TRANSISTOR 2SC2785		R1328	1-246-459-00	CARBON 270 5% 1/4W	
Q1314	8-729-178-54	TRANSISTOR 2SC2785		R1329	1-246-501-00	CARBON 15K 5% 1/4W	
Q1315	8-729-178-54	TRANSISTOR 2SC2785		R1330	1-246-501-00	CARBON 15K 5% 1/4W	
Q1316	8-729-178-54	TRANSISTOR 2SC2785		R1331	1-246-501-00	CARBON 15K 5% 1/4W	
Q1317	8-729-178-54	TRANSISTOR 2SC2785		R1332	1-246-486-00	CARBON 3.6K 5% 1/4W	
Q1320	8-729-178-54	TRANSISTOR 2SC2785		R1333	1-246-485-00	CARBON 3.3K 5% 1/4W	
Q1321	8-729-178-54	TRANSISTOR 2SC2785		R1334	1-246-485-00	CARBON 3.3K 5% 1/4W	
Q1322	8-729-178-54	TRANSISTOR 2SC2785		R1335	1-246-485-00	CARBON 3.3K 5% 1/4W	
Q1323	8-729-178-54	TRANSISTOR 2SC2785		R1336	1-246-499-00	CARBON 12K 5% 1/4W	
Q1324	8-729-178-54	TRANSISTOR 2SC2785		R1337	1-246-473-00	CARBON 1K 5% 1/4W	
Q1325	8-729-178-54	TRANSISTOR 2SC2785		R1338	1-246-473-00	CARBON 1K 5% 1/4W	
Q1326	8-729-117-54	TRANSISTOR 2SA1175		R1339	1-246-473-00	CARBON 1K 5% 1/4W	
Q1327	8-729-117-54	TRANSISTOR 2SA1175		R1340	1-246-501-00	CARBON 15K 5% 1/4W	
Q1328	8-729-178-54	TRANSISTOR 2SC2785		R1341	1-246-501-00	CARBON 15K 5% 1/4W	
Q1329	8-729-178-54	TRANSISTOR 2SC2785		R1343	1-246-445-00	CARBON 68 5% 1/4W	
Q1330	8-729-178-54	TRANSISTOR 2SC2785		R1344	1-246-473-00	CARBON 1K 5% 1/4W	
Q1331	8-729-178-54	TRANSISTOR 2SC2785		R1345	1-246-473-00	CARBON 1K 5% 1/4W	
Q1333	8-729-117-54	TRANSISTOR 2SA1175		R1346	1-246-473-00	CARBON 1K 5% 1/4W	
Q1334	8-729-178-54	TRANSISTOR 2SC2785		R1347	1-246-457-00	CARBON 220 5% 1/4W	
Q1335	8-729-178-54	TRANSISTOR 2SC2785		R1348	1-246-457-00	CARBON 220 5% 1/4W	
Q1336	8-729-178-54	TRANSISTOR 2SC2785		R1349	1-246-457-00	CARBON 220 5% 1/4W	
Q1337	8-729-178-54	TRANSISTOR 2SC2785		R1350	1-246-543-00	CARBON 820K 5% 1/4W	
Q1340	8-729-117-54	TRANSISTOR 2SA1175		R1351	1-246-543-00	CARBON 820K 5% 1/4W	
Q1341	8-729-117-54	TRANSISTOR 2SA1175		R1352	1-246-543-00	CARBON 820K 5% 1/4W	
Q1342	8-729-117-54	TRANSISTOR 2SA1175		R1353	1-246-517-00	CARBON 68K 5% 1/4W	
Q1343	8-729-178-54	TRANSISTOR 2SC2785		R1355	1-246-457-00	CARBON 220 5% 1/4W	
Q1344	8-729-178-54	TRANSISTOR 2SC2785		R1356	1-246-513-00	CARBON 47K 5% 1/4W	
Q1345	8-729-178-54	TRANSISTOR 2SC2785		R1357	1-246-491-00	CARBON 5.6K 5% 1/4W	
Q1440	8-729-316-16	TRANSISTOR 2SC1061		R1358	1-246-491-00	CARBON 5.6K 5% 1/4W	
<u>RESISTOR</u>				R1359	1-246-483-00	CARBON 2.7K 5% 1/4W	
R1304	1-246-484-00	CARBON 3K 5% 1/4W		R1360	1-246-491-00	CARBON 5.6K 5% 1/4W	
R1305	1-246-493-00	CARBON 6.8K 5% 1/4W		R1361	1-246-473-00	CARBON 1K 5% 1/4W	
R1306	1-246-473-00	CARBON 1K 5% 1/4W		R1362	1-246-501-00	CARBON 15K 5% 1/4W	
R1307	1-246-475-00	CARBON 1.2K 5% 1/4W		R1363	1-246-446-00	CARBON 75 5% 1/4W	
R1308	1-246-481-00	CARBON 2.2K 5% 1/4W		R1364	1-246-473-00	CARBON 1K 5% 1/4W	
R1309	1-246-465-00	CARBON 470 5% 1/4W		R1365	1-246-473-00	CARBON 1K 5% 1/4W	
R1310	1-246-465-00	CARBON 470 5% 1/4W		R1366	1-246-473-00	CARBON 1K 5% 1/4W	
R1311	1-246-465-00	CARBON 470 5% 1/4W		R1367	1-246-528-00	CARBON 200K 5% 1/4W	
R1312	1-246-480-00	CARBON 2K 5% 1/4W		R1368	1-246-501-00	CARBON 15K 5% 1/4W	
R1313	1-246-473-00	CARBON 1K 5% 1/4W		R1369	1-246-493-00	CARBON 6.8K 5% 1/4W	
R1314	1-246-457-00	CARBON 220 5% 1/4W		R1371	1-246-537-00	CARBON 470K 5% 1/4W	
R1317	1-246-473-00	CARBON 1K 5% 1/4W		R1372	1-246-501-00	CARBON 15K 5% 1/4W	
R1318	1-246-473-00	CARBON 1K 5% 1/4W		R1373	1-246-473-00	CARBON 1K 5% 1/4W	
R1319	1-246-473-00	CARBON 1K 5% 1/4W		R1374	1-246-513-00	CARBON 47K 5% 1/4W	
R1320	1-246-477-00	CARBON 1.5K 5% 1/4W		R1375	1-246-472-00	CARBON 910 5% 1/4W	
R1321	1-246-477-00	CARBON 1.5K 5% 1/4W		R1376	1-246-501-00	CARBON 15K 5% 1/4W	
R1322	1-246-477-00	CARBON 1.5K 5% 1/4W		R1377	1-246-449-00	CARBON 100 5% 1/4W	
R1323	1-246-446-00	CARBON 75 5% 1/4W		R1378	1-246-467-00	CARBON 560 5% 1/4W	
				R1379	1-246-501-00	CARBON 15K 5% 1/4W	

BD

BE

Ref.No	Part No	Description	Remark
R1380	1-246-497-00	CARBON 10K 5% 1/4W	
R1381	1-246-497-00	CARBON 10K 5% 1/4W	
R1382	1-246-490-00	CARBON 5.1K 5% 1/4W	
R1383	1-246-501-00	CARBON 15K 5% 1/4W	
R1384	1-246-448-00	CARBON 91 5% 1/4W	
R1385	1-246-463-00	CARBON 390 5% 1/4W	
R1386	1-246-505-00	CARBON 22K 5% 1/4W	
R1387	1-246-489-00	CARBON 4.7K 5% 1/4W	
R1388	1-246-473-00	CARBON 1K 5% 1/4W	
R1389	1-246-489-00	CARBON 4.7K 5% 1/4W	
R1390	1-246-505-00	CARBON 22K 5% 1/4W	
R1391	1-246-473-00	CARBON 1K 5% 1/4W	
R1392	1-246-473-00	CARBON 1K 5% 1/4W	
R1393	1-246-473-00	CARBON 1K 5% 1/4W	
R1394	1-246-473-00	CARBON 1K 5% 1/4W	
R1395	1-206-469-00	METAL OXIDE 18 5% 2W F	
R1396	1-246-448-00	CARBON 91 5% 1/4W	
R1397	1-246-473-00	CARBON 1K 5% 1/4W	
R1398	1-246-497-00	CARBON 10K 5% 1/4W	
R1399	1-246-480-00	CARBON 2K 5% 1/4W	
R1400	1-246-466-00	CARBON 510 5% 1/4W	
R1401	1-246-466-00	CARBON 510 5% 1/4W	
R1402	1-246-466-00	CARBON 510 5% 1/4W	
R1403	1-246-448-00	CARBON 91 5% 1/4W	
R1404	1-246-448-00	CARBON 91 5% 1/4W	
R1405	1-246-480-00	CARBON 2K 5% 1/4W	
R1406	1-246-480-00	CARBON 2K 5% 1/4W	
R1407	1-246-480-00	CARBON 2K 5% 1/4W	
R1408	1-246-473-00	CARBON 1K 5% 1/4W	
R1409	1-246-488-00	CARBON 4.3K 5% 1/4W	
R1410	1-246-497-00	CARBON 10K 5% 1/4W	
R1413	1-246-466-00	CARBON 510 5% 1/4W	
R1414	1-246-490-00	CARBON 5.1K 5% 1/4W	
R1416	1-246-484-00	CARBON 3K 5% 1/4W	
R1418	1-246-490-00	CARBON 5.1K 5% 1/4W	
R1421	1-246-482-00	CARBON 2.4K 5% 1/4W	
R1422	1-246-482-00	CARBON 2.4K 5% 1/4W	
R1423	1-246-482-00	CARBON 2.4K 5% 1/4W	
R1424	1-246-471-00	CARBON 820 5% 1/4W	
R1425	1-246-471-00	CARBON 820 5% 1/4W	
R1426	1-246-471-00	CARBON 820 5% 1/4W	
R1427	1-246-489-00	CARBON 4.7K 5% 1/4W	
R1430	1-246-449-00	CARBON 100 5% 1/4W	
R1431	1-246-449-00	CARBON 100 5% 1/4W	
R1432	1-246-449-00	CARBON 100 5% 1/4W	
R1433	1-246-443-00	CARBON 56 5% 1/4W	
R1440	1-217-371-00	FUSIBLE 0.47 5% 1/4W F	
R1441	1-246-993-00	CARBON 470 5% 1/8W F	
R1442	1-206-473-00	METAL OXIDE 27 5% 2W F	
R1443	1-246-457-00	CARBON 220 5% 1/4W	
R1444	1-246-457-00	CARBON 220 5% 1/4W	
R1445	1-246-457-00	CARBON 220 5% 1/4W	
R1446	1-246-457-00	CARBON 220 5% 1/4W	

Ref.No	Part No	Description	Remark
R1447	1-246-497-00	CARBON 10K 5% 1/4W	
R1448	1-246-497-00	CARBON 10K 5% 1/4W	
R1449	1-246-497-00	CARBON 10K 5% 1/4W	

VARIABLE RESISTOR

RV1301	1-224-641-XX	RES, ADJ, CARBON 470
RV1302	1-224-641-XX	RES, ADJ, CARBON 470
RV1303	1-226-772-00	RES, ADJ, METAL GLAZE 4.7K
RV1304	1-226-772-00	RES, ADJ, METAL GLAZE 4.7K
RV1305	1-226-772-00	RES, ADJ, METAL GLAZE 4.7K
RV1306	1-226-702-00	RES, ADJ, METAL GLAZE 2.2K

♣:1-610-175-00 BE BOARD

CONNECTOR

BE1	♣:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
BE2	♣:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P
BE3	♣:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
BE4	♣:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
BE5	♣:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P

BE6 ♣:1-508-784-00 1P PLUG

CAPACITOR

C481	1-123-318-00	ELECT 33MF 20% 16V
C482	1-123-323-00	ELECT 470MF 20% 16V
C483	1-123-622-00	ELECT 22MF 20% 16V
C1251	1-123-616-00	ELECT 4.7MF 20% 25V
C1252	1-123-616-00	ELECT 4.7MF 20% 25V
C1253	1-123-616-00	ELECT 4.7MF 20% 25V
C1254	1-123-616-00	ELECT 4.7MF 20% 25V
C1255	1-123-622-00	ELECT 22MF 20% 16V
C1256	1-123-622-00	ELECT 22MF 20% 16V
C1257	1-123-622-00	ELECT 22MF 20% 16V
C1258	1-108-583-00	MYLAR 0.015MF 5% 50V
C1259	1-108-583-00	MYLAR 0.015MF 5% 50V
C1260	1-123-616-00	ELECT 4.7MF 20% 25V
C1261	1-123-332-00	ELECT 47MF 20% 16V

DIODE

D1201	8-719-175-07	DIODE RD7.5E-B
D1202	8-719-175-07	DIODE RD7.5E-B
D1203	8-719-175-07	DIODE RD7.5E-B
D1204	8-719-175-07	DIODE RD7.5E-B
D1205	8-719-175-07	DIODE RD7.5E-B

IC

IC1251 8-759-140-53 IC UPD4053BC

JACK

J481 ♣:1-526-575-00 SOCKET, PLUG

Ref.No Part No Description Remark

TRANSISTOR

Q481 8-729-178-54 TRANSISTOR 2SC2785
Q1251 8-729-178-54 TRANSISTOR 2SC2785
Q1252 8-769-200-20 TRANSISTOR 2SK107-2
Q1253 8-769-200-20 TRANSISTOR 2SK107-2

RESISTOR

R481 1-247-829-00 CARBON 820 5% 1/6W
R482 1-247-848-00 CARBON 5.1K 5% 1/6W
R483 1-247-848-00 CARBON 5.1K 5% 1/6W
R484 1-244-865-51 CARBON 470 5% 1/2W
R485 1-247-855-00 CARBON 10K 5% 1/6W

R486 1-246-445-00 CARBON 68 5% 1/4W
R1251 1-247-879-00 CARBON 100K 5% 1/6W
R1252 1-247-879-00 CARBON 100K 5% 1/6W
R1253 1-247-879-00 CARBON 100K 5% 1/6W
R1254 1-247-879-00 CARBON 100K 5% 1/6W

R1255 1-247-831-00 CARBON 1K 5% 1/6W
R1256 1-247-831-00 CARBON 1K 5% 1/6W
R1257 1-247-831-00 CARBON 1K 5% 1/6W
R1258 1-247-831-00 CARBON 1K 5% 1/6W
R1259 1-247-879-00 CARBON 100K 5% 1/6W

R1260 1-247-879-00 CARBON 100K 5% 1/6W
R1261 1-247-879-00 CARBON 100K 5% 1/6W
R1262 1-247-879-00 CARBON 100K 5% 1/6W
R1263 1-247-839-00 CARBON 2.2K 5% 1/6W
R1264 1-247-839-00 CARBON 2.2K 5% 1/6W

R1265 1-247-847-00 CARBON 4.7K 5% 1/6W
R1266 1-247-847-00 CARBON 4.7K 5% 1/6W
R1267 1-247-871-00 CARBON 47K 5% 1/6W
R1268 1-247-871-00 CARBON 47K 5% 1/6W
R1269 1-247-855-00 CARBON 10K 5% 1/6W

R1270 1-247-825-00 CARBON 560 5% 1/6W

▲:A-1135-217-A BA BOARD, COMPLETE

▲:1-508-784-00 1P PLUG
▲:1-509-832-00 CONNECTOR ASSY, 1P

CONNECTOR

BA1 ▲:1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P
BA2 ▲:1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P
BA3 ▲:1-508-766-00 4P PLUG (M)
BA4 ▲:1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P
BA5 ▲:1-560-290-00 PLUG, CONNECTOR (2.5MM PITCH)

BA6 ▲:1-560-125-00 PLUG, CONNECTOR (2.5MM) 5P
BA7 ▲:1-560-125-00 PLUG, CONNECTOR (2.5MM) 5P
BA8 ▲:1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P
BA9 ▲:1-560-126-00 PLUG, CONNECTOR (2.5MM) 6P
BA10 ▲:1-560-124-00 PLUG, CONNECTOR (2.5MM) 4P

Ref.No Part No Description Remark

BA11 ▲:1-560-123-00 PLUG, CONNECTOR (2.5MM) 3P

CAPACITOR

C301 1-123-333-00 ELECT 100MF 20% 25V
C302 1-123-333-00 ELECT 100MF 20% 25V
C304 1-123-356-00 ELECT 10MF 20% 25V
C305 1-102-971-00 CERAMIC 82PF 5% 50V
C306 1-123-380-00 ELECT 1MF 20% 50V

C307 1-123-380-00 ELECT 1MF 20% 50V
C308 1-102-978-00 CERAMIC 220PF 5% 50V
C309 1-123-380-00 ELECT 1MF 20% 50V
C310 1-102-971-00 CERAMIC 82PF 5% 50V
C312 1-102-973-00 CERAMIC 100PF 5% 50V

C313 1-102-980-00 CERAMIC 270PF 5% 50V
C314 1-102-858-00 CERAMIC 10PF 0.5PF 50V
C315 1-102-858-00 CERAMIC 10PF 0.5PF 50V
C316 1-123-380-00 ELECT 1MF 20% 50V
C317 1-123-380-00 ELECT 1MF 20% 50V

C318 1-108-381-00 MYLAR 0.022MF 10% 100V
C319 1-108-385-00 MYLAR 0.047MF 10% 100V
C320 1-108-369-00 MYLAR 0.0022MF 10% 100V
C321 1-102-973-00 CERAMIC 100PF 5% 50V
C322 1-102-971-00 CERAMIC 82PF 5% 50V

C323 1-123-380-00 ELECT 1MF 20% 50V
C324 1-123-380-00 ELECT 1MF 20% 50V
C325 1-123-318-00 ELECT 33MF 20% 16V
C326 1-121-392-00 ELECT 3.3MF 25V
C327 1-123-356-00 ELECT 10MF 20% 16V

C328 1-123-380-00 ELECT 1MF 20% 50V
C329 1-123-380-00 ELECT 1MF 20% 50V
C331 1-108-389-00 MYLAR 0.1MF 10% 100V
C332 1-108-389-00 MYLAR 0.1MF 10% 100V
C333 1-108-378-00 MYLAR 0.012MF 10% 100V

C334 1-123-318-00 ELECT 33MF 20% 16V
C335 1-123-333-00 ELECT 100MF 20% 25V
C336 1-123-356-00 ELECT 10MF 20% 50V
C337 1-101-810-00 CERAMIC 100PF 5% 500V
C338 1-123-333-00 ELECT 100MF 20% 16V

C339 1-101-880-00 CERAMIC 47PF 5% 50V
C340 1-123-356-00 ELECT 10MF 20% 16V
C341 1-102-963-00 CERAMIC 33PF 5% 50V
C342 1-123-369-00 ELECT 4.7MF 20% 25V
C375 1-121-806-00 ELECT 10MF 16V

C401 1-102-959-00 CERAMIC 22PF 5% 50V
C402 1-123-380-00 ELECT 1MF 20% 50V
C403 1-102-953-00 CERAMIC 18PF 5% 50V
C404 1-123-380-00 ELECT 1MF 20% 50V
C406 1-123-380-00 ELECT 1MF 20% 50V

C407 1-123-380-00 ELECT 1MF 20% 50V
C409 1-102-965-00 CERAMIC 39PF 5% 50V
C410 1-101-888-00 CERAMIC 68PF 5% 50V
C411 1-123-379-00 ELECT 0.47MF 20% 50V
C412 1-123-356-00 ELECT 10MF 20% 16V

Ref.No	Part No	Description	Remark
C414	1-108-368-00	MYLAR 0.0018MF 10%	100V
C416	1-123-379-00	ELECT 0.47MF 20%	50V
C417	1-123-356-00	ELECT 10MF 20%	16V
C418	1-101-004-00	CERAMIC 0.01MF	50V
C419	1-123-586-00	ELECT 0.1MF 20%	50V
C420	1-121-392-00	ELECT 3.3MF	25V
C421	1-123-328-00	ELECT 4.7MF 20%	25V
C422	1-123-447-00	ELECT 0.22MF 20%	50V
C423	1-123-447-00	ELECT 0.22MF 20%	50V
C424	1-102-973-00	CERAMIC 100PF 5%	50V
C425	1-102-978-00	CERAMIC 220PF 5%	50V
C426	1-102-959-00	CERAMIC 22PF 5%	50V
C427	1-123-317-00	ELECT 22MF 20%	16V
C428	1-108-385-00	MYLAR 0.047MF 10%	100V
C432	1-123-381-00	ELECT 2.2MF 20%	50V
C435	1-101-884-00	CERAMIC 56PF 5%	50V
C436	1-102-947-00	CERAMIC 10PF 5%	50V
C437	1-102-971-00	CERAMIC 82PF 5%	50V
C438	1-101-888-00	CERAMIC 68PF 5%	50V
C439	1-123-380-00	ELECT 1MF 20%	50V
C453	1-102-824-00	CERAMIC 470PF 5%	50V
C454	1-102-888-00	CERAMIC 150PF 5%	50V
C455	1-101-361-00	CERAMIC 150PF 5%	50V
C456	1-123-356-00	ELECT 10MF 20%	25V
C457	1-102-965-00	CERAMIC 39PF 5%	50V
C458	1-102-973-00	CERAMIC 100PF 5%	50V
C459	1-102-116-00	CERAMIC 680PF 10%	50V
C460	1-102-947-00	CERAMIC 10PF 5%	50V
<u>FILTER</u>			
CF301	1-409-332-00	CERAMIC TRAP (4.5MHZ)	
<u>TRIMMER</u>			
CV301	1-141-181-11	CAP, TRIMMER	
<u>DIODE</u>			
D301	8-719-911-19	DIODE 1SS119	
D302	8-719-911-19	DIODE 1SS119	
D303	8-719-911-19	DIODE 1SS119	
D304	8-719-175-07	DIODE RD7.5E-B	
D401	8-719-911-19	DIODE 1SS119	
<u>DELAY LINE</u>			
DL301	1-415-280-00	DELAY LINE (1H)	
DL302	1-415-271-00	DELAY LINE	
<u>IC</u>			
IC301	8-759-908-41	IC CX841	
IC302	8-759-125-56	IC CX556B	
<u>COIL</u>			
L301	1-407-696-00	MICRO INDUCTOR 18UH	

Ref.No	Part No	Description	Remark
L302	1-407-571-00	COIL, VARIABLE 22UH	
L303	1-407-696-00	MICRO INDUCTOR 18UH	
L304	1-407-695-00	MICRO INDUCTOR 15UH	
L305	1-407-701-00	MICRO INDUCTOR 47UH	
L306	1-407-693-00	MICRO INDUCTOR 10UH	
L307	1-407-696-00	MICRO INDUCTOR 18UH	
L308	1-409-193-00	COIL 3.58MHZ TRAP	
L309	1-408-247-00	MICRO INDUCTOR 33MMH	
L310	1-407-695-00	MICRO INDUCTOR 15UH	
L401	1-407-166-XX	MICRO INDUCTOR 56UH	
L402	1-407-701-00	MICRO INDUCTOR 47UH	
L403	1-407-706-00	MICRO INDUCTOR 120UH	
L408	1-407-166-XX	MICRO INDUCTOR 56UH	
L409	1-407-695-00	MICRO INDUCTOR 15UH	
L414	1-408-163-00	MICRO INDUCTOR 5.6MMH	
<u>FILTER</u>			
LPF401	1-235-139-00	FILTER, LOW PASS	
LPF402	1-235-139-00	FILTER, LOW PASS	
LPF403	1-235-139-00	FILTER, LOW PASS	
<u>TRANSISTOR</u>			
Q301	8-729-178-54	TRANSISTOR 2SC2785	
Q302	8-729-178-54	TRANSISTOR 2SC2785	
Q303	8-729-178-54	TRANSISTOR 2SC2785	
Q304	8-729-178-54	TRANSISTOR 2SC2785	
Q305	8-729-117-54	TRANSISTOR 2SA1175	
Q306	8-729-178-54	TRANSISTOR 2SC2785	
Q307	8-729-178-54	TRANSISTOR 2SC2785	
Q308	8-729-178-54	TRANSISTOR 2SC2785	
Q309	8-729-178-54	TRANSISTOR 2SC2785	
Q310	8-729-178-54	TRANSISTOR 2SC2785	
Q311	8-729-178-54	TRANSISTOR 2SC2785	
Q312	8-729-117-54	TRANSISTOR 2SA1175	
Q313	8-729-178-54	TRANSISTOR 2SC2785	
Q315	8-729-178-54	TRANSISTOR 2SC2785	
Q316	8-729-178-54	TRANSISTOR 2SC2785	
Q317	8-729-117-54	TRANSISTOR 2SA1175	
Q318	8-729-117-54	TRANSISTOR 2SA1175	
Q320	8-729-117-54	TRANSISTOR 2SA1175	
Q321	8-729-117-54	TRANSISTOR 2SA1175	
Q322	8-729-178-54	TRANSISTOR 2SC2785	
Q323	8-729-178-54	TRANSISTOR 2SC2785	
Q324	8-729-178-54	TRANSISTOR 2SC2785	
Q325	8-729-178-54	TRANSISTOR 2SC2785	
Q327	8-729-178-54	TRANSISTOR 2SC2785	
Q328	8-729-178-54	TRANSISTOR 2SC2785	
Q329	8-729-117-54	TRANSISTOR 2SA1175	
Q330	8-729-178-54	TRANSISTOR 2SC2785	
Q331	8-729-178-54	TRANSISTOR 2SC2785	
Q401	8-729-178-54	TRANSISTOR 2SC2785	
Q402	8-729-117-54	TRANSISTOR 2SA1175	
Q403	8-729-178-54	TRANSISTOR 2SC2785	

Ref.No	Part No	Description	Remark			Ref.No	Part No	Description	Remark		
Q404	8-729-178-54	TRANSISTOR	2SC2785			R350	1-246-493-00	CARBON	6.8K	5%	1/4W
Q405	8-729-178-54	TRANSISTOR	2SC2785			R351	1-202-645-00	SOLID	1M	5%	1/2W
Q406	8-729-178-54	TRANSISTOR	2SC2785			R352	1-202-645-00	SOLID	1M	5%	1/2W
RESISTOR						R353	1-246-493-00	CARBON	6.8K	5%	1/4W
R301	1-246-497-00	CARBON	10K	5%	1/4W	R354	1-246-481-00	CARBON	2.2K	5%	1/4W
R302	1-246-473-00	CARBON	1K	5%	1/4W	R355	1-246-497-00	CARBON	10K	5%	1/4W
R303	1-246-493-00	CARBON	6.8K	5%	1/4W	R356	1-246-529-00	CARBON	220K	5%	1/4W
R304	1-246-493-00	CARBON	6.8K	5%	1/4W	R357	1-246-499-00	CARBON	12K	5%	1/4W
R305	1-246-477-00	CARBON	1.5K	5%	1/4W	R358	1-246-497-00	CARBON	10K	5%	1/4W
R306	1-246-465-00	CARBON	470	5%	1/4W	R359	1-246-495-00	CARBON	8.2K	5%	1/4W
R307	1-246-493-00	CARBON	6.8K	5%	1/4W	R360	1-246-490-00	CARBON	5.1K	5%	1/4W
R308	1-246-471-00	CARBON	820	5%	1/4W	R361	1-246-513-00	CARBON	47K	5%	1/4W
R309	1-246-501-00	CARBON	15K	5%	1/4W	R364	1-246-489-00	CARBON	4.7K	5%	1/4W
R310	1-246-501-00	CARBON	15K	5%	1/4W	R365	1-246-499-00	CARBON	12K	5%	1/4W
R311	1-246-495-00	CARBON	8.2K	5%	1/4W	R366	1-246-467-00	CARBON	560	5%	1/4W
R312	1-246-465-00	CARBON	470	5%	1/4W	R367	1-246-521-00	CARBON	100K	5%	1/4W
R313	1-246-465-00	CARBON	470	5%	1/4W	R368	1-246-497-00	CARBON	10K	5%	1/4W
R314	1-246-483-00	CARBON	2.7K	5%	1/4W	R369	1-246-457-00	CARBON	220	5%	1/4W
R315	1-246-481-00	CARBON	2.2K	5%	1/4W	R370	1-246-481-00	CARBON	2.2K	5%	1/4W
R316	1-246-457-00	CARBON	220	5%	1/4W	R371	1-246-487-00	CARBON	3.9K	5%	1/4W
R317	1-246-469-00	CARBON	680	5%	1/4W	R372	1-246-473-00	CARBON	1K	5%	1/4W
R318	1-246-445-00	CARBON	68	5%	1/4W	R373	1-246-477-00	CARBON	1.5K	5%	1/4W
R319	1-246-457-00	CARBON	220	5%	1/4W	R374	1-246-467-00	CARBON	560	5%	1/4W
R320	1-246-469-00	CARBON	680	5%	1/4W	R375	1-246-485-00	CARBON	3.3K	5%	1/4W
R321	1-246-461-00	CARBON	330	5%	1/4W	R376	1-246-509-00	CARBON	33K	5%	1/4W
R322	1-246-469-00	CARBON	680	5%	1/4W	R377	1-246-771-00	CARBON	100		1/8W
R323	1-246-469-00	CARBON	680	5%	1/4W	R378	1-246-467-00	CARBON	560	5%	1/4W
R324	1-246-469-00	CARBON	680	5%	1/4W	R379	1-246-473-00	CARBON	1K	5%	1/4W
R325	1-246-469-00	CARBON	680	5%	1/4W	R380	1-211-437-00	CARBON	270	5%	1/8W
R326	1-246-473-00	CARBON	1K	5%	1/4W	R381	1-246-495-00	CARBON	8.2K	5%	1/4W
R327	1-246-473-00	CARBON	1K	5%	1/4W	R382	1-246-449-00	CARBON	100	5%	1/4W
R328	1-246-465-00	CARBON	470	5%	1/4W	R383	1-246-497-00	CARBON	10K	5%	1/4W
R329	1-246-471-00	CARBON	820	5%	1/4W	R384	1-246-481-00	CARBON	2.2K	5%	1/4W
R331	1-246-473-00	CARBON	1K	5%	1/4W	R386	1-246-485-00	CARBON	3.3K	5%	1/4W
R332	1-246-459-00	CARBON	270	5%	1/4W	R388	1-246-521-00	CARBON	100K	5%	1/4W
R333	1-246-459-00	CARBON	270	5%	1/4W	R401	1-246-472-00	CARBON	910	5%	1/4W
R334	1-246-465-00	CARBON	470	5%	1/4W	R402	1-246-473-00	CARBON	1K	5%	1/4W
R335	1-246-475-00	CARBON	1.2K	5%	1/4W	R403	1-246-479-00	CARBON	1.8K	5%	1/4W
R336	1-246-461-00	CARBON	330	5%	1/4W	R404	1-246-471-00	CARBON	820	5%	1/4W
R337	1-246-473-00	CARBON	1K	5%	1/4W	R405	1-246-497-00	CARBON	10K	5%	1/4W
R338	1-246-473-00	CARBON	1K	5%	1/4W	R406	1-246-497-00	CARBON	10K	5%	1/4W
R339	1-246-457-00	CARBON	220	5%	1/4W	R407	1-246-479-00	CARBON	1.8K	5%	1/4W
R340	1-246-467-00	CARBON	560	5%	1/4W	R408	1-246-487-00	CARBON	3.9K	5%	1/4W
R341	1-246-491-00	CARBON	5.6K	5%	1/4W	R409	1-246-473-00	CARBON	1K	5%	1/4W
R342	1-246-483-00	CARBON	2.7K	5%	1/4W	R410	1-246-483-00	CARBON	2.7K	5%	1/4W
R343	1-246-457-00	CARBON	220	5%	1/4W	R411	1-246-455-00	CARBON	180	5%	1/4W
R344	1-246-469-00	CARBON	680	5%	1/4W	R412	1-246-495-00	CARBON	8.2K	5%	1/4W
R345	1-246-487-00	CARBON	3.9K	5%	1/4W	R413	1-246-483-00	CARBON	2.7K	5%	1/4W
R346	1-202-667-00	SOLID	8.2M	5%	1/2W	R414	1-246-477-00	CARBON	1.5K	5%	1/4W
R347	1-246-513-00	CARBON	47K	5%	1/4W	R415	1-246-483-00	CARBON	2.7K	5%	1/4W
R348	1-246-543-00	CARBON	820K	5%	1/4W	R416	1-246-473-00	CARBON	1K	5%	1/4W
R349	1-246-483-00	CARBON	2.7K	5%	1/4W	R417	1-246-483-00	CARBON	2.7K	5%	1/4W
						R418	1-246-477-00	CARBON	1.5K	5%	1/4W

Ref.No	Part No	Description	Remark		
R419	1-246-473-00	CARBON	1K	5%	1/4W
R420	1-246-473-00	CARBON	1K	5%	1/4W
R421	1-246-505-00	CARBON	22K	5%	1/4W
R422	1-246-497-00	CARBON	10K	5%	1/4W
R423	1-246-506-00	CARBON	24K	5%	1/4W
R424	1-246-539-00	CARBON	560K	5%	1/4W
R425	1-246-461-00	CARBON	330	5%	1/4W
R426	1-246-467-00	CARBON	560	5%	1/4W
R427	1-246-499-00	CARBON	12K	5%	1/4W
R428	1-246-460-00	CARBON	300	5%	1/4W
R429	1-246-497-00	CARBON	10K	5%	1/4W
R430	1-246-461-00	CARBON	330	5%	1/4W
R431	1-246-473-00	CARBON	1K	5%	1/4W
R432	1-246-477-00	CARBON	1.5K	5%	1/4W
R436	1-246-489-00	CARBON	4.7K	5%	1/4W
R437	1-246-497-00	CARBON	10K	5%	1/4W
R438	1-246-485-00	CARBON	3.3K	5%	1/4W
R439	1-246-497-00	CARBON	10K	5%	1/4W
R440	1-246-505-00	CARBON	22K	5%	1/4W
R441	1-246-497-00	CARBON	10K	5%	1/4W
R442	1-246-505-00	CARBON	22K	5%	1/4W
R443	1-246-485-00	CARBON	3.3K	5%	1/4W
R446	1-246-473-00	CARBON	1K	5%	1/4W
R447	1-246-487-00	CARBON	3.9K	5%	1/4W
R448	1-246-465-00	CARBON	470	5%	1/4W
R449	1-246-479-00	CARBON	1.8K	5%	1/4W
R450	1-246-459-00	CARBON	270	5%	1/4W
R451	1-246-473-00	CARBON	1K	5%	1/4W
R452	1-246-465-00	CARBON	470	5%	1/4W
R453	1-246-465-00	CARBON	470	5%	1/4W
R454	1-246-481-00	CARBON	2.2K	5%	1/4W
R455	1-246-499-00	CARBON	12K	5%	1/4W
R456	1-246-461-00	CARBON	330	5%	1/4W
R457	1-246-513-00	CARBON	47K	5%	1/4W
R458	1-246-495-00	CARBON	8.2K	5%	1/4W
R459	1-246-457-00	CARBON	220	5%	1/4W
R460	1-246-457-00	CARBON	220	5%	1/4W
R461	1-246-457-00	CARBON	220	5%	1/4W
R469	1-246-481-00	CARBON	2.2K	5%	1/4W
R470A	1-246-497-00	CARBON	10K	5%	1/4W
R470B	1-246-481-00	CARBON	2.2K	5%	1/4W
R471	1-246-481-00	CARBON	2.2K	5%	1/4W
R474	1-246-485-00	CARBON	3.3K	5%	1/4W
R475	1-246-480-00	CARBON	2K	5%	1/4W

VARIABLE RESISTOR

RV301	1-224-640-XX	RES, ADJ, CARBON 330
RV401	1-224-552-00	RES, ADJ, CARBON 470K
RV402	1-224-644-XX	RES, ADJ, CARBON 4.7K

TRANSFORMER

T401	1-425-786-00	TRANSFORMER, BANDPASS(BPT)
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Ref.No	Part No	Description	Remark		
<u>CRYSTAL</u>					
X401	1-527-396-00	CRYSTAL, OSC			

♣:1-602-171-00		P BOARD			

♣:1-601-981-00		Z BOARD			

<u>CAPACITOR</u>					
C1905	1-102-030-00	CERAMIC	330PF	10%	500V
<u>TRANSISTOR</u>					
Q1904	8-729-214-47	TRANSISTOR 2SC1447			

♣:1-606-053-00		F BOARD			

<u>CAPACITOR</u>					
C621	♣.1-161-748-11	CERAMIC	0.0047MF		125V
C622	♣.1-161-748-11	CERAMIC	0.0047MF	00-100-00	125V 1SC8
C623	♣.1-125-260-11	SELECT(BLOCK)	470MFA3	00-000-00	200V 1SC8
C624	♣.1-125-260-11	SELECT(BLOCK)	470MFA3	00-000-00	200V 1SC8
<u>DIODE</u>					
D621	8-719-911-55	DIODE U05G			
D622	8-719-911-55	DIODE U05G			
<u>CONNECTOR</u>					
F1	1-508-765-00	3P PLUG (M)			
F2	♣:1-506-349-21	3P PLUG (L)			
<u>RESISTOR</u>					
R621	♣.1-244-925-11	CARBON	150KA35%	00-112WAG-1	05ER
R622	♣.1-244-927-11	CARBON	180K	5%	1/2W

♣:1-606-092-21		U1 BOARD			

<u>RESISTOR</u>					
R01	1-246-446-00	CARBON	75	5%	1/4W
R02	1-246-442-00	CARBON	51	5%	1/4W
<u>VARIABLE RESISTOR</u>					
RV901	1-228-490-00	RES, VAR, CARBON 10K			

NOTE:

The components identified by shading and mark ♣ are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark
	▲:1-610-176-00	U2 BOARD *****	
<u>CONNECTOR</u>			
BD1	▲:1-556-698-00	CONNECTOR ASSY (2.5MM) 6P	
BD2	▲:1-555-965-00	CONNECTOR ASSY (2.5MM) 5P	
BD3	▲:1-556-652-00	CONNECTOR ASSY (2.5MM) 4P	
BD6	▲:1-556-585-00	CONNECTOR ASSY (2.5MM) 2P	
BE2	▲:1-556-399-00	CONNECTOR ASSY (2.5MM) 5P	
<u>JACK</u>			
J481	▲:1-556-877-21	CABLE, PIN	
<u>CONNECTOR</u>			
U1001	▲:1-560-686-00	CONNECTOR (PLUG) 34P	

	▲:A-1280-177-A	N BOARD, COMPLETE *****	
	▲:1-508-915-11	PLUG, 1P	
<u>CONNECTOR</u>			
BA5	▲:1-555-958-00	CONNECTOR ASSY (2.5MM) 2P	
<u>CAPACITOR</u>			
C101	1-102-980-00	CERAMIC 270PF 5% 50V	
C102	1-102-824-00	CERAMIC 470PF 5% 50V	
C103	1-102-978-00	CERAMIC 220PF 5% 50V	
C104	1-123-382-00	ELECT 3.3MF 20% 50V	
C105	1-123-356-00	ELECT 10MF 20% 16V	
C106	1-123-336-00	ELECT 470MF 20% 25V	
C107	1-101-003-00	CERAMIC 0.0047MF 50V	
C108	1-101-003-00	CERAMIC 0.0047MF 50V	
C109	1-101-003-00	CERAMIC 0.0047MF 50V	
C110	1-123-356-00	ELECT 10MF 20% 16V	
C111	1-101-006-00	CERAMIC 0.047MF 50V	
C112	1-123-323-00	ELECT 470MF 20% 16V	
C113	1-123-330-00	ELECT 22MF 20% 16V	
C114	1-123-356-00	ELECT 10MF 20% 16V	
C115	1-131-345-00	TANTALUM 0.47MF 20% 35V	
C116	1-101-003-00	CERAMIC 0.0047MF 50V	
C117	1-102-074-00	CERAMIC 0.001MF 10% 50V	
C118	1-131-345-00	TANTALUM 0.47MF 20% 35V	
C119	1-232-019-00	COMPOSITION CIRCUIT BLOCK	
C120	1-102-074-00	CERAMIC 0.001MF 10% 50V	
<u>DIODE</u>			
D101	8-719-911-19	DIODE 1SS119	
D102	8-719-911-19	DIODE 1SS119	
D103	8-719-911-19	DIODE 1SS119	
D104	8-719-911-19	DIODE 1SS119	
D105	8-719-911-19	DIODE 1SS119	

Ref.No	Part No	Description	Remark
D106	8-719-911-19	DIODE 1SS119	
D107	8-719-900-93	DIODE V09C	
D108	8-719-900-93	DIODE V09C	
D109	8-719-900-93	DIODE V09C	
D110	8-719-900-93	DIODE V09C	
D111	8-719-900-93	DIODE V09C	
D112	8-719-111-07	DIODE RD11E-B	
D113	8-719-102-82	DIODE RD7.5E-N3	
<u>IC</u>			
IC101	8-759-162-36	IC UPD546C236	
IC102	8-759-240-16	IC TC4016BP	
IC103	8-759-145-58	IC UPC4558C	
<u>CONNECTOR</u>			
K2	▲:1-556-016-00	CONNECTOR ASSY (2.5MM) 3P	
<u>COIL</u>			
L101	1-408-398-00	MICRO INDUCTOR 1.2UH	
<u>CONNECTOR</u>			
N1	▲:1-506-371-00	2P PLUG (L)	
N2	▲:1-508-786-00	2P PLUG (M)	
N3	▲:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
N4	▲:1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
N5	▲:1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
N6	▲:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
N7	▲:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
N8	▲:1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)	
N9	▲:1-508-784-00	1P PLUG	
<u>TRANSISTOR</u>			
Q101	8-729-178-54	TRANSISTOR 2SC2785	
Q102	8-729-178-54	TRANSISTOR 2SC2785	
Q103	8-729-117-54	TRANSISTOR 2SA1175	
Q104	8-729-178-54	TRANSISTOR 2SC2785	
Q105	8-729-178-54	TRANSISTOR 2SC2785	
Q106	8-729-178-54	TRANSISTOR 2SC2785	
Q107	8-729-117-54	TRANSISTOR 2SA1175	
Q108	8-729-178-54	TRANSISTOR 2SC2785	
Q109	8-729-177-43	TRANSISTOR 2SD774	
Q110	8-729-117-54	TRANSISTOR 2SA1175	
Q111	8-729-117-54	TRANSISTOR 2SA1175	
Q112	8-769-200-20	TRANSISTOR 2SK107-2	
<u>RESISTOR</u>			
R101	1-246-537-00	CARBON 470K 5% 1/4W	
R102	1-246-473-00	CARBON 1K 5% 1/4W	
R103	1-246-473-00	CARBON 1K 5% 1/4W	
R104	1-246-473-00	CARBON 1K 5% 1/4W	
R105	1-246-505-00	CARBON 22K 5% 1/4W	
R106	1-246-505-00	CARBON 22K 5% 1/4W	

N C

Ref.No	Part No	Description	Remark
R107	1-246-505-00	CARBON	22K 5% 1/4W
R108	1-246-489-00	CARBON	4.7K 5% 1/4W
R109	1-246-485-00	CARBON	3.3K 5% 1/4W
R110	1-246-517-00	CARBON	68K 5% 1/4W
R111	1-246-515-00	CARBON	56K 5% 1/4W
R112	1-246-497-00	CARBON	10K 5% 1/4W
R113	1-246-497-00	CARBON	10K 5% 1/4W
R114	1-246-497-00	CARBON	10K 5% 1/4W
R115	1-246-497-00	CARBON	10K 5% 1/4W
R116	1-246-505-00	CARBON	22K 5% 1/4W
R117	1-246-515-00	CARBON	56K 5% 1/4W
R118	1-246-513-00	CARBON	47K 5% 1/4W
R119	1-246-505-00	CARBON	22K 5% 1/4W
R120	1-246-489-00	CARBON	4.7K 5% 1/4W
R121	1-246-505-00	CARBON	22K 5% 1/4W
R122	1-246-475-00	CARBON	1.2K 5% 1/4W
R123	1-246-505-00	CARBON	22K 5% 1/4W
R124	1-246-495-00	CARBON	8.2K 5% 1/4W
R125	1-246-475-00	CARBON	1.2K 5% 1/4W
R126	1-246-515-00	CARBON	56K 5% 1/4W
R127	1-246-509-00	CARBON	33K 5% 1/4W
R128	1-246-491-00	CARBON	5.6K 5% 1/4W
R129	1-246-505-00	CARBON	22K 5% 1/4W
R130	1-246-499-00	CARBON	12K 5% 1/4W
R131	1-246-473-00	CARBON	1K 5% 1/4W
R132	1-247-023-11	CARBON	2.2K 5% 1/8W F
R133	1-211-409-00	CARBON	10 5% 1/8W F
R134	1-206-479-00	METAL OXIDE	47 5% 2W F
R135	1-246-473-00	CARBON	1K 5% 1/4W
R136	1-246-530-00	CARBON	240K 5% 1/4W
R137	1-246-505-00	CARBON	22K 5% 1/4W
R138	1-246-497-00	CARBON	10K 5% 1/4W
R139	1-246-477-00	CARBON	1.5K 5% 1/4W
R140	1-246-485-00	CARBON	3.3K 5% 1/4W
R141	1-246-495-00	CARBON	8.2K 5% 1/4W
R142	1-246-489-00	CARBON	4.7K 5% 1/4W
R143	1-246-473-00	CARBON	1K 5% 1/4W
R144	1-246-473-00	CARBON	1K 5% 1/4W
R145	1-246-513-00	CARBON	47K 5% 1/4W
R146	1-246-487-00	CARBON	3.9K 5% 1/4W
R147	1-246-505-00	CARBON	22K 5% 1/4W
R148	1-246-505-00	CARBON	22K 5% 1/4W
R149	1-246-479-00	CARBON	1.8K 5% 1/4W
R150	1-246-497-00	CARBON	10K 5% 1/4W
R151	1-246-497-00	CARBON	10K 5% 1/4W
R152	1-246-497-00	CARBON	10K 5% 1/4W
R153	1-246-473-00	CARBON	1K 5% 1/4W
R154	1-246-473-00	CARBON	1K 5% 1/4W
R155	1-246-473-00	CARBON	1K 5% 1/4W
R156	1-246-497-00	CARBON	10K 5% 1/4W
R157	1-232-184-11	COMPOSITION CIRCUIT BLOCK	
R158	1-231-569-00	COMPOSITION CIRCUIT BLOCK	
R159	1-246-473-00	CARBON	1K 5% 1/4W

Ref.No	Part No	Description	Remark
R160	1-235-084-00	RES, COMPONENT	
		RELAY	
RL101	1-515-357-12	RELAY	
		CRYSTAL	
X101	1-527-532-00	OSCILLATOR, CERAMIC	

	A-1330-434-A	C BOARD COMPLETE	

	1-526-560-41	SOCKET ASSY, CRT	
	1-606-052-00	PC BOARD, C	
		CONNECTOR	
BA8	1-556-339-00	CONNECTOR ASSY (2.5MM) 3P	
BD5	1-556-399-00	CONNECTOR ASSY (2.5MM) 5P	
C1	1-506-371-00	2P PLUG (L)	
C2	1-508-784-00	1P PLUG	
		CAPACITOR	
C701	1-129-779-00	FILM	0.022MF 20% 1KV
C702	1-102-155-00	CERAMIC	330PF 20% 2KV
C703	1-123-383-00	ELECT	4.7MF 20% 100V
C704	1-102-959-00	CERAMIC	22PF 5% 50V
C706	1-123-330-00	ELECT	22MF 20% 25V
C707	1-102-963-00	CERAMIC	33PF 5% 50V
C708	1-102-959-00	CERAMIC	22PF 5% 50V
C709	1-121-759-00	ELECT	4.7MF 250V
C710	1-123-356-00	ELECT	10MF 20% 16V
C711	1-108-385-00	MYLAR	0.047MF 10% 100V
C713	1-102-129-00	CERAMIC	0.01MF 10% 50V
C714	1-101-004-00	CERAMIC	0.01MF 50V
C715	1-101-004-00	CERAMIC	0.01MF 50V
C716	1-123-356-00	ELECT	10MF 20% 25V
C717	1-101-004-00	CERAMIC	0.01MF 50V
C718	1-101-004-00	CERAMIC	0.01MF 50V
C719	1-108-433-00	MYLAR	0.1MF 10% 200V
C720	1-102-212-00	CERAMIC	820PF 10% 500V
C721	1-102-212-00	CERAMIC	820PF 10% 500V
C724	1-123-330-00	ELECT	22MF 20% 25V
C726	1-101-004-00	CERAMIC	0.01MF 50V
C727	1-123-356-00	ELECT	10MF 20% 25V
C730	1-108-704-61	MYLAR	0.1MF 10% 200V
C731	1-101-361-00	CERAMIC	150PF 5% 50V
C732	1-101-884-00	CERAMIC	56PF 5% 50V
C733	1-101-884-00	CERAMIC	56PF 5% 50V
C734	1-123-356-00	ELECT	10MF 20% 25V
		CONNECTOR	
D11	1-555-226-00	CONNECTOR, MINIATURE 1P	

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark
D13	1-555-226-00	CONNECTOR, MINIATURE 1P	
D17	1-555-018-00	CONNECTOR ASSY, MINIATURE 3P	
D18	1-555-226-00	CONNECTOR, MINIATURE 1P	
D30	1-555-346-00	CONNECTOR, MINIATURE 1P	

DIODE

D701	8-719-300-76	DIODE RH1A	
D702	8-719-300-76	DIODE RH1A	
D703	8-719-300-76	DIODE RH1A	
D708	8-719-911-19	DIODE 1SS119	
D709	8-719-911-19	DIODE 1SS119	

D710	8-719-911-19	DIODE 1SS119	
D711	8-719-911-91	DIODE 1SS119	
D712	8-719-200-02	DIODE 10E2	

COIL

L701	1-407-175-XX	MICRO INDUCTOR 330UH	
L702	1-407-175-XX	MICRO INDUCTOR 330UH	
L703	1-407-206-XX	MICRO INDUCTOR 10MMH	
L704	1-407-703-00	MICRO INDUCTOR 68UH	
L705	1-407-703-00	MICRO INDUCTOR 68UH	

L706	1-407-705-00	MICRO INDUCTOR 100UH	
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NEON LAMP

NL701	1-519-108-XX	LAMP, NEON ASSY	
NL702	1-519-108-XX	LAMP, NEON ASSY	
NL703	1-519-013-13	DISCHARGE TUBE	
NL704	1-519-013-13	DISCHARGE TUBE	

TRANSISTOR

Q701	8-729-322-78	TRANSISTOR 2SC2278	
Q702	8-729-322-78	TRANSISTOR 2SC2278	
Q703	8-729-322-78	TRANSISTOR 2SC2278	
Q704	8-729-663-47	TRANSISTOR 2SC1364	
Q705	8-729-663-47	TRANSISTOR 2SC1364	

Q706	8-729-663-47	TRANSISTOR 2SC1364	
Q707	8-729-374-02	TRANSISTOR 2SB740	
Q708	8-729-663-47	TRANSISTOR 2SC1364	
Q709	8-729-663-47	TRANSISTOR 2SC1364	
Q710	8-729-663-47	TRANSISTOR 2SC1364	

Q711	8-729-322-78	TRANSISTOR 2SC2278	
Q712	8-729-322-78	TRANSISTOR 2SC2278	
Q713	8-729-663-47	TRANSISTOR 2SC1364	

RESISTOR

R701	1-202-636-00	SOLID	430K	5%	1/2W	
R702	1-202-720-00	SOLID	1.2M	10%	1/2W	
R703	1-202-543-00	SOLID	56	10%	1/2W	
R704	1-202-844-00	SOLID	330K		1/2W	
R705	1-202-613-00	SOLID	47K	5%	1/2W	

R706	1-202-637-00	SOLID	470K	10%	1/2W	
R707	1-244-929-00	SOLID	220K	10%	1/2W	
R708	1-246-473-00	CARBON	1K	5%	1/4W	

Ref.No	Part No	Description	Remark
R709	1-246-489-00	CARBON	4.7K 5% 1/4W
R710	1-244-933-00	CARBON	330K 5% 1/2W
R711	1-246-473-00	CARBON	1K 5% 1/4W
R712	1-246-517-00	CARBON	68K 5% 1/4W
R713	1-206-749-00	METAL OXIDE	10K 5% 3W F

R714	1-246-437-00	CARBON	33 5% 1/4W
R715	1-246-489-00	CARBON	4.7K 5% 1/4W
R716	1-246-473-00	CARBON	1K 5% 1/4W
R718	1-202-585-00	SOLID	3.3K 10% 1/2W
R719	1-202-585-00	SOLID	3.3K 10% 1/2W

R722	1-206-749-00	METAL OXIDE	10K 5% 3W F
R723	1-246-473-00	CARBON	1K 5% 1/4W
R724	1-244-933-00	CARBON	330K 5% 1/2W
R725	1-246-489-00	CARBON	4.7K 5% 1/4W
R726	1-246-473-00	CARBON	1K 5% 1/4W

R727	1-246-517-00	CARBON	68K 5% 1/4W
R728	1-244-933-00	CARBON	330K 5% 1/2W
R729	1-246-489-00	CARBON	4.7K 5% 1/4W
R730	1-246-473-00	CARBON	1K 5% 1/4W
R731	1-246-517-00	CARBON	68K 5% 1/4W

R732	1-246-473-00	CARBON	1K 5% 1/4W
R734	1-202-585-00	SOLID	3.3K 10% 1/2W
R735	1-206-749-00	METAL OXIDE	10K 5% 3W F
R739	1-246-505-00	CARBON	22K 5% 1/4W
R740	1-246-487-00	CARBON	3.9K 5% 1/4W

R741	1-246-475-00	CARBON	1.2K 5% 1/4W
R742	1-246-457-00	CARBON	220 5% 1/4W
R743	1-246-466-00	CARBON	510 5% 1/4W
R744	1-246-487-00	CARBON	3.9K 5% 1/4W
R745	1-246-461-00	CARBON	330 5% 1/4W

R746	1-246-466-00	CARBON	510 5% 1/4W
R747	1-246-487-00	CARBON	3.9K 5% 1/4W
R748	1-246-461-00	CARBON	330 5% 1/4W
R749	1-246-473-00	CARBON	1K 5% 1/4W
R750	1-246-473-00	CARBON	1K 5% 1/4W

R751	1-246-481-00	CARBON	2.2K 5% 1/4W
R752	1-246-497-00	CARBON	10K 5% 1/4W
R753	1-246-475-00	CARBON	1.2K 5% 1/4W
R754	1-206-682-00	METAL OXIDE	5.6K 5% 2W F
R755	1-246-457-00	CARBON	220 5% 1/4W

R756	1-246-497-00	CARBON	10K 5% 1/4W
R757	1-246-475-00	CARBON	1.2K 5% 1/4W
R758	1-206-682-00	METAL OXIDE	5.6K 5% 2W F
R759	1-246-457-00	CARBON	220 5% 1/4W
R760A	1-206-678-00	METAL OXIDE	3.9K 5% 2W F

R760B	1-246-497-00	CARBON	10K 5% 1/4W
R761A	1-206-678-00	METAL OXIDE	3.9K 5% 2W F
R761B	1-246-521-00	CARBON	100K 5% 1/4W
R762A	1-212-352-00	METAL OXIDE	0.22 5% 1W F
R762B	1-246-473-00	CARBON	1K 5% 1/4W

R763	1-213-144-00	METAL OXIDE	1.2K 5% 1W F
R766	1-246-493-00	CARBON	6.8K 5% 1/4W

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
C1514	1-108-385-00	MYLAR	0.047MF 10% 100V	CONNECTOR			
C1515	1-129-953-00	FILM	0.068MF 20% 1.5KV	D1	▲:1-506-349-21	3P PLUG (L)	
C1516	1-102-973-00	CERAMIC	100PF 5% 50V	D2	1-508-765-00	3P PLUG (M)	
C1517A	1-130-542-11	FILM	0.014MF 5% 2KV	D4	▲:1-506-371-00	2P PLUG (L)	
C1518	1-102-002-00	CERAMIC	680PF 10% 500V	D5	1-508-765-00	3P PLUG (M)	
C1519	1-130-543-00	FILM	0.91MF 5% 200V	D7	▲:1-506-371-00	2P PLUG (L)	
C1520	1-130-897-00	FILM	1.5MF 5% 400V	D8	▲:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C1521	1-108-381-00	MYLAR	0.022MF 10% 100V	D9	▲:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C1522	1-121-806-00	ELECT	10MF 20% 16V	D10	▲:1-508-766-00	4P PLUG (M)	
C1523	1-123-333-00	ELECT	100MF 20% 16V	D11	▲:1-508-784-00	1P PLUG	
C1524	1-123-333-00	ELECT	100MF 20% 16V	D12	▲:1-508-784-00	1P PLUG	
C1525	1-106-224-00	MYLAR	0.15MF 10% 100V	D13	▲:1-508-784-00	1P PLUG	
C1526	1-123-361-00	ELECT	220MF 20% 50V	D14	1-508-765-00	3P PLUG (M)	
C1527	1-124-347-00	ELECT	100MF 20% 160V	D15	1-508-765-00	3P PLUG (M)	
C1528	1-108-381-00	MYLAR	0.022MF 10% 100V	D16	▲:1-508-766-00	4P PLUG (M)	
C1529	1-123-379-00	ELECT	0.47MF 20% 50V	D17	1-508-765-00	3P PLUG (M)	
C1530	1-108-377-00	MYLAR	0.01MF 10% 100V	D18	▲:1-508-784-00	1P PLUG	
C1531	1-123-330-00	ELECT	22MF 20% 25V	D19	▲:1-506-349-21	3P PLUG (L)	
C1532	1-108-371-00	MYLAR	0.0033MF 10% 100V	D20	1-508-765-00	3P PLUG (M)	
C1533	1-102-030-00	CERAMIC	330PF 10% 500V	D24	▲:1-506-349-21	3P PLUG (L)	
C1534	1-108-389-00	MYLAR	0.1MF 10% 100V	D25	▲:1-508-765-00	3P PLUG (M)	
C1535	1-123-333-00	ELECT	100MF 20% 25V	D26	▲:1-506-349-21	3P PLUG (L)	
C1536A	1-130-709-11	FILM	0.008MF 5% 2KV	D29	▲:1-508-765-00	3P PLUG (M)	
C1537A	1-129-747-11	FILM	0.047MF 10% 400V	D29	▲:1-556-146-00	CONNECTOR ASSY, MINIATURE 3P	
C1538	1-129-751-00	FILM	0.1MF 20% 400V	D30	▲:1-508-784-00	1P PLUG	
C1539	1-123-356-00	ELECT	10MF 20% 25V	DIODE			
C1540	1-123-334-00	ELECT	220MF 20% 25V	D501	8-719-911-19	DIODE 1SS119	
C1541	1-123-334-00	ELECT	220MF 20% 25V	D502	8-719-911-19	DIODE 1SS119	
C1542	1-123-382-00	ELECT	3.3MF 20% 50V	D503	8-719-900-93	DIODE V09C	
C1543	1-123-379-00	ELECT	0.47MF 20% 50V	D504	8-719-911-19	DIODE 1SS119	
C1544	1-123-356-00	ELECT	10MF 20% 50V	D505	8-719-300-76	DIODE RH1A	
C1545	1-123-359-00	ELECT	47MF 20% 50V	D506	8-719-300-38	DIODE GU3A	
C1546	1-101-001-00	CERAMIC	0.001MF 50V	D507	8-719-300-76	DIODE RH1A	
C1547	1-108-431-00	MYLAR	0.068MF 10% 200V	D508	8-719-900-93	DIODE V09C	
C1548	1-123-332-00	ELECT	47MF 20% 16V	D509	8-719-900-93	DIODE V09C	
C1552	1-108-421-00	MYLAR	0.01MF 10% 200V	D510	8-719-911-19	DIODE 1SS119	
C1553	1-108-421-00	MYLAR	0.01MF 10% 200V	D511	8-719-911-19	DIODE 1SS119	
C1554A	1-102-327-11	CERAMIC	330PF 15% 1.5KV	D512	8-719-911-19	DIODE 1SS119	
C1555	1-102-327-00	CERAMIC	330PF 15% 1.5KV	D513	8-719-200-02	DIODE 10E2	
C1557	1-102-978-00	CERAMIC	220PF 5% 50V	D1501	8-719-911-19	DIODE 1SS119	
C1558	1-123-332-00	ELECT	47MF 20% 25V	D1502	8-719-911-19	DIODE 1SS119	
C1564	1-123-380-00	ELECT	1MF 20% 50V	D1503	8-719-900-93	DIODE V09C	
C1565	1-108-372-00	MYLAR	0.0039MF 10% 100V	D1504	8-719-305-15	DIODE GH3F	
C1567A	1-102-129-00	CERAMIC	0.01MF 10% 50V	D1505	8-719-928-08	DIODE ERD28-08S	
C1567B	1-131-351-00	TANTALUM	4.7MF 10% 35V	D1506	8-719-300-76	DIODE RH1A	
C1568	1-123-357-00	ELECT	22MF 20% 50V	D1507A	8-719-320-11	DIODE HF1	
C1569	1-101-006-00	CERAMIC	0.047MF 50V	D1508	8-719-901-19	DIODE V11N	
C1570	1-123-332-00	ELECT	47MF 20% 16V	D1509	8-719-300-76	DIODE RH1A	
C1571	1-101-006-00	CERAMIC	0.047MF 50V	D1510	8-719-911-19	DIODE 1SS119	
C1572	1-101-006-00	CERAMIC	0.047MF 50V	D1511	8-719-931-15	DIODE EQB01-15	
C1575	1-123-333-00	ELECT	100MF 20% 25V	D1512	8-719-300-76	DIODE RH1A	
C1579	1-123-356-00	ELECT	10MF 20% 25V				

NOTE:

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
D1513	8-719-900-93	DIODE V09C		Q502	8-729-195-92	TRANSISTOR 2SC2959	
D1514	8-719-926-16	DIODE ERC26-15SA		Q503	8-729-169-02	TRANSISTOR 2SC2690A	
D1515	8-719-300-76	DIODE RH1A		Q504	8-729-122-02	TRANSISTOR 2SA1220A	
D1516	8-719-911-19	DIODE 1SS119		Q505	8-729-602-67	TRANSISTOR 2SA1026-7	
D1517	8-719-300-76	DIODE RH1A		Q506	8-729-177-43	TRANSISTOR 2SD774	
D1518	8-719-300-76	DIODE RH1A		Q507	8-729-178-54	TRANSISTOR 2SC2785	
D1519	8-719-931-13	DIODE EQB01-13		Q508	8-729-178-54	TRANSISTOR 2SC2785	
D1520	8-719-911-19	DIODE 1SS119		Q509	8-729-178-54	TRANSISTOR 2SC2785	
D1521	8-719-911-19	DIODE 1SS119		Q510	8-729-178-54	TRANSISTOR 2SC2785	
D1522	8-719-911-19	DIODE 1SS119		Q511	8-729-178-54	TRANSISTOR 2SC2785	
D1523	8-719-300-76	DIODE RH1A		Q512	8-729-178-54	TRANSISTOR 2SC2785	
D1528	8-719-903-09	DIODE V30N		Q513	8-729-178-54	TRANSISTOR 2SC2785	
D1529	8-719-101-62	DIODE RD6.2E-L3		Q514	8-729-178-54	TRANSISTOR 2SC2785	
D1530	8-719-911-19	DIODE 1SS119		Q515	8-729-178-54	TRANSISTOR 2SC2785	
D1531	8-719-200-02	DIODE 10E2		Q516	8-729-602-67	TRANSISTOR 2SA1026-7	
D1532	8-719-190-00	DIODE RD24E-BZ7		Q517	8-729-195-82	TRANSISTOR 2SC2958	
<u>CONNECTOR</u>				Q518	8-729-178-54	TRANSISTOR 2SC2785	
E1	1-555-946-00	CONNECTOR ASSY, MINIATURE 5P		Q1501	8-729-203-81	TRANSISTOR 2SC2238B	
<u>FUSE</u>				Q1502	8-729-177-43	TRANSISTOR 2SD774	
F601	1-532-627-11	FUSE, GLASS TUBE 7A 125V		Q1503	8-729-103-43	TRANSISTOR 2SB734	
F602	1-532-555-11	FUSE, GLASS TUBE 1.6A 125V		Q1504	8-729-103-43	TRANSISTOR 2SB734	
<u>IC</u>				Q1505	8-729-178-54	TRANSISTOR 2SC2785	
IC501	8-751-570-00	IC CX157		Q1506	8-765-222-20	TRANSISTOR 2SC1963	
IC1501	8-751-580-00	IC CX158		Q1507	8-729-177-43	TRANSISTOR 2SD774	
<u>COIL</u>				Q1508	8-729-663-47	TRANSISTOR 2SC1364	
L501	1-407-364-00	COIL, SPOOK CHOKE		Q1509	8-729-607-67	TRANSISTOR 2SA1026-7	
L502	1-407-209-XX	MICRO INDUCTOR 18MMH		Q1510	8-729-607-67	TRANSISTOR 2SA1026-7	
L503	1-407-209-XX	MICRO INDUCTOR 18MMH		Q1511	8-729-607-67	TRANSISTOR 2SA1026-7	
L504	1-407-206-XX	MICRO INDUCTOR 10MMH		Q1512	8-729-663-47	TRANSISTOR 2SC1364	
L505	1-407-211-XX	MICRO INDUCTOR 27MMH		Q1513	8-729-607-67	TRANSISTOR 2SA1026-7	
L506	1-407-207-XX	MICRO INDUCTOR 12MMH		Q1514	8-729-663-47	TRANSISTOR 2SC1364	
L507	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE		Q1516	8-729-178-54	TRANSISTOR 2SC2785	
L508	1-435-055-31	COIL, PHASE ADJUST		Q1517	8-729-309-08	TRANSISTOR 2SC1890A	
L509	1-443-012-00	TRANSFORMER, DYNAMIC CONVERSION		Q1518	8-729-178-54	TRANSISTOR 2SC2785	
L601	1-407-720-00	CHOKE COIL		Q1519	8-729-117-54	TRANSISTOR 2SA1175	
L1501	1-421-390-00	COIL, FERRITE (PMC)		Q1520	8-729-117-54	TRANSISTOR 2SA1175	
L1502	1-459-308-00	COIL, HORIZONTAL LINEARITY		<u>RESISTOR</u>			
L1503	1-459-104-00	COIL, DUST CORE		R501	1-246-472-00	CARBON 910 5%	1/4W
L1504	1-459-123-00	COIL, DUST CORE(PAC)		R502	1-246-531-00	CARBON 270K 5%	1/4W
L1505	1-407-365-00	COIL, CHOKE		R503	1-246-512-00	CARBON 43K 5%	1/4W
L1506	1-407-365-00	COIL, CHOKE		R504	1-246-487-00	CARBON 3.9K 5%	1/4W
<u>THERMISTOR</u>				R506	1-246-541-00	CARBON 680K 5%	1/4W
PTH601	1-806-214-00	THERMISTOR, POSITIVE		R507	1-246-510-00	CARBON 36K 5%	1/4W
<u>TRANSISTOR</u>				R508	1-246-483-00	CARBON 2.7K 5%	1/4W
Q501	8-729-178-54	TRANSISTOR 2SC2785		R509	1-246-473-00	CARBON 1K 5%	1/4W
				R510	1-246-507-00	CARBON 27K 5%	1/4W
				R511	1-246-497-00	CARBON 10K 5%	1/4W
				R512	1-246-497-00	CARBON 10K 5%	1/4W
				R513	1-246-485-00	CARBON 3.3K 5%	1/4W
				R514	1-246-469-00	CARBON 680 5%	1/4W
				R515	1-246-465-00	CARBON 470 5%	1/4W
				R516	1-246-461-00	CARBON 330 5%	1/4W

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
R517	1-246-494-00	CARBON	7.5K 5% 1/4W	R570	1-246-473-00	CARBON	1K 5% 1/4W
R518	1-246-499-00	CARBON	12K 5% 1/4W	R571	1-246-519-00	CARBON	82K 5% 1/4W
R519	1-246-501-00	CARBON	15K 5% 1/4W	R572	1-246-497-00	CARBON	10K 5% 1/4W
R520	1-246-490-00	CARBON	5.1K 5% 1/4W	R573	1-246-509-00	CARBON	33K 5% 1/4W
R521	1-246-491-00	CARBON	5.6K 5% 1/4W	R574	1-246-489-00	CARBON	4.7K 5% 1/4W
R522	1-246-481-00	CARBON	2.2K 5% 1/4W	R575	1-246-471-00	CARBON	820 5% 1/4W
R523	1-246-477-00	CARBON	1.5K 5% 1/4W	R576	1-246-469-00	CARBON	680 5% 1/4W
R524	△ 1-246-449-25	CARBON	100 5% 1/4W	R577	1-246-491-00	CARBON	5.6K 5% 1/4W
R525	1-213-143-00	METAL OXIDE	1K 5% 1W F	R578	1-246-511-00	CARBON	39K 5% 1/4W
R526	△ 1-246-985-11	CARBON	33 5% 1/8W F	R579	1-246-511-00	CARBON	39K 5% 1/4W
R527	△ 1-246-982-11	CARBON	10 5% 1/8W F	R580	1-246-491-00	CARBON	5.6K 5% 1/4W
R528	1-212-361-00	METAL OXIDE	1.2 5% 1W F	R581	△ 1-217-523-11	FUSIBLE	10 5% 1/4W
R529	1-212-361-00	METAL OXIDE	1.2 5% 1W F	R582	1-217-523-00	FUSIBLE	10 5% 1/4W
R530	1-213-140-00	METAL OXIDE	560 5% 1W F	R583	1-246-511-00	CARBON	39K 5% 1/4W
R531	1-213-135-00	METAL OXIDE	220 5% 1W F	R584	1-246-471-00	CARBON	820 5% 1/4W
R532	1-246-507-00	CARBON	27K 5% 1/4W	R585	1-246-495-00	CARBON	8.2K 5% 1/4W
R533	1-213-142-00	METAL OXIDE	820 5% 1W F	R586	1-246-481-00	CARBON	2.2K 5% 1/4W
R534	1-246-495-00	CARBON	8.2K 5% 1/4W	R587	1-213-125-00	METAL OXIDE	33 5% 1W F
R535	1-246-497-00	CARBON	10K 5% 1/4W	R587	1-213-125-00	METAL OXIDE	33 5% 1W F
R536	1-246-483-00	CARBON	2.7K 5% 1/4W	R588	1-213-144-00	METAL OXIDE	1.2K 5% 1W F
R537	1-246-477-00	CARBON	1.5K 5% 1/4W	R589	1-213-131-00	METAL OXIDE	100 5% 1W F
R538	1-212-360-00	METAL OXIDE	1 5% 1W F	R590	1-246-517-00	CARBON	68K 5% 1/4W
R539	1-206-661-00	METAL OXIDE	750 5% 2W F	R592	1-246-521-00	CARBON	100K 5% 1/4W
R540	1-246-489-00	CARBON	4.7K 5% 1/4W	R593	1-246-979-00	CARBON	1.2 5% 1/8W F
R541	1-246-487-00	CARBON	3.9K 5% 1/4W	R594	1-246-473-00	CARBON	1K 5% 1/4W
R542	1-246-489-00	CARBON	4.7K 5% 1/4W	R599	1-246-979-00	CARBON	1.2 5% 1/8W F
R543	1-246-513-00	CARBON	47K 5% 1/4W	R601	△ 1-202-719-11	SOLID	1M 10% 1/2W
R544	1-246-499-00	CARBON	12K 5% 1/4W	R602	△ 1-202-723-11	SOLID	2.2M 10% 1/2W
R545	1-246-497-00	CARBON	10K 5% 1/4W	R603	1-246-527-00	CARBON	180K 5% 1/4W
R546	1-246-525-00	CARBON	150K 5% 1/4W	R1501	1-206-688-00	METAL OXIDE	10K 5% 2W F
R547	1-246-497-00	CARBON	10K 5% 1/4W	R1502	1-246-477-00	CARBON	1.5K 5% 1/4W
R548	1-246-471-00	CARBON	820 5% 1/4W	R1504	1-246-495-00	CARBON	8.2K 5% 1/4W
R549	1-246-473-00	CARBON	1K 5% 1/4W	R1505	1-246-493-00	CARBON	6.8K 5% 1/4W
R550	1-246-498-00	CARBON	11K 5% 1/4W	R1506	1-246-481-00	CARBON	2.2K 5% 1/4W
R551	1-246-495-00	CARBON	8.2K 5% 1/4W	R1507	1-246-484-00	CARBON	3K 5% 1/4W
R552	1-246-503-00	CARBON	18K 5% 1/4W	R1508	1-246-479-00	CARBON	1.8K 5% 1/4W
R553	1-246-449-00	CARBON	100 5% 1/4W	R1509	1-246-486-00	CARBON	3.6K 5% 1/4W
R554	1-246-489-00	CARBON	4.7K 5% 1/4W	R1510	1-205-607-00	CEMENTED	18K 10% 5W
R555	1-246-503-00	CARBON	18K 5% 1/4W	R1511	1-213-138-00	METAL OXIDE	390 5% 1W F
R556	1-246-503-00	CARBON	18K 5% 1/4W	R1512	1-246-473-00	CARBON	1K 5% 1/4W
R557	1-246-449-00	CARBON	100 5% 1/4W	R1513	1-246-449-00	CARBON	100 5% 1/4W
R558	1-246-482-00	CARBON	2.4K 5% 1/4W	R1514	1-247-012-00	CARBON	1K 5% 1/4W F
R559	1-246-506-00	CARBON	24K 5% 1/4W	R1515	1-246-489-00	CARBON	4.7K 5% 1/4W
R560	1-246-506-00	CARBON	24K 5% 1/4W	R1516	1-206-676-00	METAL OXIDE	3.3K 5% 2W F
R561	1-246-449-00	CARBON	100 5% 1/4W	R1517	1-206-676-00	METAL OXIDE	3.3K 5% 2W F
R562	1-246-481-00	CARBON	2.2K 5% 1/4W	R1518	△ 1-213-146-61	METAL OXIDE	1.8K 5% 1W F
R563	1-246-504-00	CARBON	20K 5% 1/4W	R1519	1-206-463-00	METAL OXIDE	10 5% 2W F
R564	1-246-501-00	CARBON	15K 5% 1/4W	R1520	1-213-147-00	METAL OXIDE	2.2 5% 1W F
R565	1-246-506-00	CARBON	24K 5% 1/4W	R1521	1-206-664-00	METAL OXIDE	1K 5% 2W F
R566	1-246-449-00	CARBON	100 5% 1/4W	R1522	1-246-429-00	CARBON	15 5% 1/4W
R567	1-246-481-00	CARBON	2.2K 5% 1/4W	R1523	1-206-441-00	METAL OXIDE	1.2 5% 2W F
R568	1-246-511-00	CARBON	39K 5% 1/4W	R1524	1-206-477-00	METAL OXIDE	39 5% 2W F
R569	1-246-509-00	CARBON	33K 5% 1/4W	R1525	1-246-481-00	CARBON	2.2K 5% 1/4W

NOTE:

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Ref.No	Part No	Description				Remark
R1526	1-246-465-00	CARBON	470	5%	1/4W	
R1527	1-213-136-00	METAL OXIDE	270	5%	1W	F
R1528	1-246-489-00	CARBON	4.7K	5%	1/4W	
R1529	1-246-497-00	CARBON	10K	5%	1/4W	
R1530	1-246-473-00	CARBON	1K	5%	1/4W	
R1531	1-246-504-00	CARBON	20K	5%	1/4W	
R1532	1-214-746-00	METAL	5.1K	1%	1/4W	
R1533	1-246-497-00	CARBON	10K	5%	1/4W	
R1534	1-246-513-00	CARBON	47K	5%	1/4W	
R1535	1-246-489-00	CARBON	4.7K	5%	1/4W	
R1536	1-246-473-00	CARBON	1K	5%	1/4W	
R1537	1-246-482-00	CARBON	2.4K	5%	1/4W	
R1538	1-246-497-00	CARBON	10K	5%	1/4W	
R1539	1-246-508-00	CARBON	30K	5%	1/4W	
R1540	1-246-473-00	CARBON	1K	5%	1/4W	
R1541A	1-246-979-11	CARBON	1.2K	5%	1/8W	F
R1542A	1-246-979-11	CARBON	1.2K	5%	1/8W	F
R1543A	1-246-979-11	CARBON	1.2K	5%	1/8W	F
R1544A	1-246-979-11	CARBON	1.2K	5%	1/8W	F
R1545	1-213-142-00	METAL OXIDE	820	5%	1W	F
R1546	1-206-473-00	METAL OXIDE	27	5%	2W	F
R1548	1-206-449-00	METAL OXIDE	2.7	5%	2W	E
R1549	1-246-503-00	CARBON	18K	5%	1/4W	
R1550	1-246-505-00	CARBON	22K	5%	1/4W	
R1551	1-246-485-00	CARBON	3.3K	5%	1/4W	
R1552	1-246-457-00	CARBON	220	5%	1/4W	
R1553	1-246-467-00	CARBON	560	5%	1/4W	
R1554	1-246-471-00	CARBON	820	5%	1/4W	
R1555	1-246-461-00	CARBON	330	5%	1/4W	
R1556	1-246-465-00	CARBON	470	5%	1/4W	
R1557	1-246-473-00	CARBON	1K	5%	1/4W	
R1558	1-246-469-00	CARBON	680	5%	1/4W	
R1559	1-246-491-00	CARBON	5.6K	5%	1/4W	
R1560	1-246-472-00	CARBON	910	5%	1/4W	
R1561	1-246-491-00	CARBON	5.6K	5%	1/4W	
R1562	1-246-489-00	CARBON	4.7K	5%	1/4W	
R1563	1-246-449-00	CARBON	100	5%	1/4W	
R1564	1-246-449-00	CARBON	100	5%	1/4W	
R1565	1-213-126-00	METAL OXIDE	39	5%	1W	F
R1565	1-213-126-00	METAL OXIDE	39	5%	1W	F
R1578	1-246-472-00	CARBON	910	5%	1/4W	
R1579	1-212-371-00	METAL OXIDE	8.2	5%	1W	F
R1580	1-246-484-00	CARBON	3K	5%	1/4W	
R1581A	1-246-981-11	CARBON	4.7K	5%	1/8W	F
R1582A	1-246-981-11	CARBON	4.7K	5%	1/8W	F
R1584	1-246-489-00	CARBON	4.7K	5%	1/4W	
R1590	1-246-508-00	CARBON	30K	5%	1/4W	
R1591	1-246-493-00	CARBON	6.8K	5%	1/4W	
R1593	1-246-497-00	CARBON	10K	5%	1/4W	
R1594	1-206-692-00	METAL OXIDE	15K	5%	2W	F
R1595	1-214-756-00	METAL	13K	1%	1/4W	
R1596	1-246-475-00	CARBON	1.2K	5%	1/4W	
R1597	1-214-738-00	METAL	2.4K	1%	1/4W	

<u>Ref.No</u>	<u>Part No</u>	<u>Description</u>				<u>Remark</u>
R1598	1-214-777-00	METAL	100K	1%	1/4W	
R1599	1-246-491-00	CARBON	5.6K	5%	1/4W	
R1600	1-214-753-00	METAL	10K	1%	1/4W	
R1601	1-214-750-00	METAL	7.5K	1%	1/4W	
R1602A	1-246-501-00	METAL	15K	5%	1/4W	
R1603	1-246-501-00	CARBON	15K	5%	1/4W	
R1604	1-246-481-00	CARBON	2.2K	5%	1/4W	
R1605	1-246-473-00	CARBON	1K	5%	1/4W	
R1606	1-246-488-00	CARBON	4.3K	5%	1/4W	
R1607	1-246-501-00	CARBON	15K	5%	1/4W	
R1608	1-246-473-00	CARBON	1K	5%	1/4W	
R1609	1-214-781-00	METAL	150K	1%	1/4W	
R1610	1-214-779-00	METAL	120K	1%	1/4W	

VARIABLE RESISTOR

RV501	1-224-990-00	RES,	ADJ,	CARBON	47K
RV502	1-224-990-00	RES,	ADJ,	CARBON	47K
RV503	1-224-646-XX	RES,	ADJ,	CARBON	22K
RV504	1-224-641-XX	RES,	ADJ,	CARBON	470
RV505	1-226-100-00	RES,	ADJ,	CARBON	10K
RV506	1-226-029-00	RES,	ADJ,	CARBON	1K
RV507	1-222-344-00	RES,	ADJ,	CARBON	5K
RV1501	1-224-646-XX	RES,	ADJ,	CARBON	22K
RV1502	1-224-642-XX	RES,	ADJ,	CARBON	1K
RV1503	1-226-887-00	RES,	ADJ,	CARBON	250K
RV1504	1-224-990-00	RES,	ADJ,	CARBON	47K
RV1505	1-224-965-00	RES,	ADJ,	CARBON	470
RV1506	1-224-641-XX	RES,	ADJ,	CARBON	470

SPARK GAP

SG1501 1-519-063-XX DISCHARGING GAP

TRANSFORMER

T501	1-421-324-11	V. PCT
T601	1-421-259-21	COIL, LINE FILTER
T602	1-421-496-11	FILTER, LINE
T1501	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE
T1502	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE
T1503	1-439-252-11	TRANSFORMER, HORIZONTAL OUTPUT
T1504	1-407-849-00	TRANSFORMER, D.F
T1505	1-421-388-11	LOT

THERMISTER

TH501 1-800-071-XX TH DIRECT-HEATING DISK S-300
THP601 A.1-806-214-11 THERMISTER, POSITIVE

●: 1-604-960-00 H1 BOARD

SWICTH

S1301 1-553-640-23 SWICTH, PUSH

NOTE :

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

H1

H2

K

Ref.No	Part No	Description	Remark
S1302	1-553-640-23	SWITCH, PUSH	
S1303	1-553-640-23	SWITCH, PUSH	
S1304	1-553-640-23	SWITCH, PUSH	
S1305	1-553-640-23	SWITCH, PUSH	
S1306	1-553-640-23	SWITCH, PUSH	

♣:1-604-961-00 H2 BOARD

CONNECTOR

BA2 ♣:1-556-016-00 CONNECTOR ASSY (2.5MM) 3P
BA9 ♣:1-556-002-00 CONNECTOR ASSY (2.5MM) 6P

RESISTOR

R1351	1-246-501-00	CARBON	15K	5%	1/4W
R1352	1-246-499-00	CARBON	12K	5%	1/4W
R1353	1-246-491-00	CARBON	5.6K	5%	1/4W

VARIABLE RESISTOR

RV1351	1-228-733-00	RES, VAR, CARBON 20K
RV1352	1-228-667-00	RES, VAR, CARBON 20K
RV1353	1-228-667-00	RES, VAR, CARBON 20K
RV1354	1-228-667-00	RES, VAR, CARBON 20K
RV1355	1-228-667-00	RES, VAR, CARBON 20K

♣:A-1385-027-A K BOARD, COMPLETE

♣:1-533-146-00 HOLDER, FUSE

CONNECTOR

BE6 ♣:1-556-108-00 CONNECTOR, MINIATURE 1P

CAPACITOR

C1201	1-125-154-00	ELECT(BLOCK)	2200MF		35V
C1202	1-125-154-00	ELECT(BLOCK)	2200MF		35V
C1206	1-102-107-00	CERAMIC	120PF	10%	50V
C1207	1-102-820-00	CERAMIC	330PF	5%	50V
C1208	1-123-318-00	ELECT	33MF	20%	16V
C1209	1-123-333-00	ELECT	100MF	20%	25V
C1210	1-106-224-00	MYLAR	0.15MF	10%	100V
C1211	1-108-389-00	MYLAR	0.1MF	10%	100V
C1215	1-102-107-00	CERAMIC	120PF	10%	50V
C1216	1-102-820-00	CERAMIC	330PF	5%	50V
C1217	1-123-318-00	ELECT	33MF	20%	16V
C1218	1-123-333-00	ELECT	100MF	20%	25V
C1219	1-106-224-00	MYLAR	0.15MF	10%	100V
C1220	1-108-389-00	MYLAR	0.1MF	10%	100V
C1221	1-102-107-00	CERAMIC	120PF	10%	50V
C1222	1-102-107-00	CERAMIC	120PF	10%	50V
C1224	1-123-356-00	ELECT	10MF	20%	16V

Ref.No	Part No	Description	Remark
C1225	1-123-356-00	ELECT	10MF 20% 16V
C1226	1-123-356-00	ELECT	10MF 20% 16V
C1227	1-102-114-00	CERAMIC	470PF 10% 50V
C1229	1-123-356-00	ELECT	10MF 20% 16V
C1230	1-123-356-00	ELECT	10MF 20% 16V

C1231	1-102-114-00	CERAMIC	470PF 10% 50V
C1232	1-123-356-00	ELECT	10MF 10% 16V
C1233	1-123-324-00	ELECT	1000MF 20% 16V
C1234	1-123-318-00	ELECT	33MF 20% 16V
C1235	1-123-351-00	ELECT	0.47MF 20% 50V

C1236	1-123-356-00	ELECT	10MF 10% 16V
C1237	1-123-356-00	ELECT	10MF 10% 16V
C1245	1-102-111-00	CERAMIC	270PF 10% 50V
C1246	1-102-111-00	CERAMIC	270PF 10% 50V

DIODE

D1205	8-719-100-27	DIODE RD4.7E-B2
D1206	8-719-100-73	DIODE RD16E-B1

FUSE

F1201A	1-532-557-11	FUSE, GRASS TUBE 3.15A
F1202A	1-532-557-11	FUSE, GRASS TUBE 3.15A

IC

IC1201	8-759-111-88	IC UPC1188H
IC1202	8-759-111-88	IC UPC1188H
IC1203	8-759-800-59	IC LA2600

CONNECTOR

K1	♣:1-508-765-00	3P PLUG (M)
K2	♣:1-560-123-00	PLUG CONNECTOR (2.5MM) 3P
K3	♣:1-560-124-00	PLUG CONNECTOR (2.5MM) 4P
K4	♣:1-508-765-00	3P PLUG (M)
K5	♣:1-508-765-00	3P PLUG (M)

TRANSISTOR

Q1201	8-729-178-54	TRANSISTOR 2SC2785
Q1202	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

R1206	1-246-449-00	CARBON	100	5%	1/4W
R1207	1-246-499-00	CARBON	12K	5%	1/4W
R1208	1-246-491-00	CARBON	5.6K	5%	1/4W
R1210	1-246-499-00	CARBON	12K	5%	1/4W
R1211	1-246-491-00	CARBON	5.6K	5%	1/4W
R1212	1-246-449-00	CARBON	100	5%	1/4W
R1213	1-211-403-00	CARBON	5.6	5%	1/8W
R1214	1-211-403-00	CARBON	5.6	5%	1/8W
R1217	1-246-496-00	CARBON	9.1K	5%	1/4W
R1218	1-246-503-00	CARBON	18K	5%	1/4W
R1219	1-246-516-00	CARBON	62K	5%	1/4W
R1220	1-246-507-00	CARBON	27K	5%	1/4W
R1221	1-246-496-00	CARBON	9.1K	5%	1/4W

NOTE:

The components identified by shading and mark ♣ are critical for safety. Replace only with part number specified.

K X1 X2 Y GA

Ref.No	Part No	Description	Remark
R1222	1-246-503-00	CARBON 18K 5% 1/4W	
R1223	1-246-507-00	CARBON 27K 5% 1/4W	
R1224	1-246-516-00	CARBON 62K 5% 1/4W	
R1225	1-246-473-00	CARBON 1K 5% 1/4W	
R1226	1-246-473-00	CARBON 1K 5% 1/4W	
R1227	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1228	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1229	1-246-473-00	CARBON 1K 5% 1/4W	
R1230	1-246-449-00	CARBON 100 5% 1/4W	
R1231	1-246-479-00	CARBON 1.8K 5% 1/4W	
R1232	1-246-471-00	CARBON 820 5% 1/4W	
R1233	1-244-871-00	CARBON 820 5% 1/2W	

VARIABLE RESISTOR

RV1201	1-226-847-00	RES, ADJ, CARBON 1K	
RV1202	1-226-850-00	RES, ADJ, CARBON 4.7K	

♣:1-602-172-00 X1 BOARD

CAPACITOR

C1901A	1-102-327-11	CERAMIC 330PF 15% 1.5KV	
C1906	1-102-820-00	CERAMIC 330PF 5% 50V	

COIL

L1901	1-407-365-00	COIL, CHOKE	
L1903	1-407-365-00	COIL, CHOKE	

RESISTOR

R1901	1-246-449-00	CARBON 100 5% 1/4W	
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♣:1-602-173-00 X2 BOARD

CAPACITOR

C1902A	1-102-327-11	CERAMIC 330PF 15% 1.5KV	
C1907	1-102-820-00	CERAMIC 330PF 5% 50V	

COIL

L1902	1-407-365-00	COIL, CHOKE	
L1904	1-407-365-00	COIL, CHOKE	

RESISTOR

R1902	1-246-449-00	CARBON 100 5% 1/4W	
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Ref.No	Part No	Description	Remark
♣:1-604-845-00	Y BOARD	*****	

♣:4-345-836-00 HOLDER (S-2), LED

DIODE

D1	8-719-102-34	DIODE SG232D	
D2	8-719-106-34	DIODE SR632D	
D3	8-719-114-34	DIODE SY432D	

CONNECTOR

N6 ♣:1-555-965-00 CONNECTOR ASSY (2.5MM) 5P

♣:1-605-977-00 GA BOARD

♣:1-555-352-00 CONNECTOR, MINIATURE 1P
♣:1-555-442-00 CONNECTOR ASSY (LARGE) 3P
♣:1-555-867-71 CONNECTOR, MINIATURE 1P
♣:1-556-021-00 CONNECTOR ASSY 3P
3-701-353-00 SPACER, MICA

3-703-320-00 BUSHING (A), TRANSISTOR
♣:3-706-518-00 HOLDER, POT
♣:3-706-519-00 HEAT SINK, REG
♣:3-706-520-00 BRACKET, G PC BOARD
♣:3-706-521-00 CASE, SHIELD, G BLOCK

♣:4-307-456-00 HOLDER, (TO-3)
4-333-157-00 RETAINER, AC CORD

CAPACITOR

C651	1-102-824-00	CERAMIC 470PF 5% 50V	
C652	1-108-680-00	MYLAR 0.001MF 10% 200V	
C653	1-108-804-00	MYLAR 0.01MF 5% 50V	
C654	1-108-812-00	MYLAR 0.047MF 5% 50V	
C655	1-102-085-21	CERAMIC 0.047MF 500V	
C656	1-130-697-00	FILM 0.025MF 3% 1.4KV	
C657	1-130-073-00	FILM 0.16MF 5% 400V	
C658	1-101-006-00	CERAMIC 0.047MF 50V	
C659	1-123-266-00	ELECT 1.5MF 20% 160V	
C660	1-101-004-00	CERAMIC 0.01MF 50V	
C661	1-123-352-00	ELECT 1MF 20% 50V	
C662	1-101-810-00	CERAMIC 100PF 5% 500V	
C663	1-130-458-00	FILM 0.024MF 3% 400V	
C664	1-129-710-00	FILM 0.0047MF 10% 630V	
C665	1-129-710-00	FILM 0.0047MF 10% 630V	
C666	1-215-213-00	ELECT 560MF 180V	
C667	1-123-336-00	ELECT 470MF 20% 25V	
C668	1-102-125-00	CERAMIC 0.047MF 10% 50V	
C669	1-102-125-00	CERAMIC 0.047MF 10% 50V	
C670	1-123-336-00	ELECT 470MF 20% 25V	
C671	1-123-336-00	ELECT 470MF 20% 25V	
C672	1-108-630-00	FILM 0.022MF 10% 100V	

NOTE:

The components identified by shading and mark ♣ are critical for safety. Replace only with part number specified.

GA

GB

Ref.No	Part No	Description	Remark
C673	1-108-692-00	FILM 0.01MF 10%	200V
C674	1-108-626-00	FILM 0.01MF 10%	100V
C675	1-102-125-00	CERAMIC 0.0047MF 10%	50V
C676	1-102-125-00	CERAMIC 0.0047MF 10%	50V

DIODE

D651	8-719-200-02	DIODE 10E2
D652	8-719-901-40	DIODE SIB01-02T5
D653	8-719-200-02	DIODE 10E2
D654	8-719-101-83	DIODE RD12E-L2
D655	8-719-815-55	DIODE IS1555

D656	8-719-901-93	DIODE V19E
D657	8-719-901-93	DIODE V19E
D658	8-719-901-93	DIODE V19E
D659	8-719-901-93	DIODE V19E
D660	8-719-901-93	DIODE V19E

D661	8-719-901-93	DIODE V19E
D662	8-719-901-91	DIODE V19B
D663	8-719-200-02	DIODE 10E2
D664	8-719-100-56	DIODE RD10E-B1
D665	8-719-200-02	DIODE 10E2

D666	8-719-100-60	DIODE RD11E-B1
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IC

IC651	1-235-015-21	MODULE, POWER
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COIL

L651	1-421-490-12	COIL, CHOKE 10UH
L657	1-421-329-00	COIL, CHOKE 10UH
L658	1-421-329-00	COIL, CHOKE 10UH

TRANSISTOR

Q651	8-729-213-11	TRANSISTOR 2SC2230A
Q652	8-729-286-91	TRANSISTOR 2SD869
Q653	8-729-213-11	TRANSISTOR 2SC2230A
Q654	8-729-201-52	TRANSISTOR 2SA1015
Q655	8-729-201-52	TRANSISTOR 2SA1015
Q656	8-729-663-47	TRANSISTOR 2SC1364
Q657	8-729-663-47	TRANSISTOR 2SC1364

RESISTOR

R651	1-246-505-00	CARBON 22K 5%	1/4W
R652	1-246-509-00	CARBON 33K 5%	1/4W
R653	1-246-470-00	CARBON 750 5%	1/4W
R654	1-246-459-00	CARBON 270 5%	1/4W
R655	1-246-481-00	CARBON 2.2K 5%	1/4W
R656	1-246-985-00	CARBON 33 5%	1/8W
R657	1-217-619-00	WIREWOUND 0.24 5%	3W F
R658	1-217-619-00	WIREWOUND 0.24 5%	3W F
R659	1-206-696-00	METAL 22K 5%	2W F
R660	1-246-489-00	CARBON 4.7K 5%	1/4W
R661	1-246-459-00	CARBON 270 5%	1/4W

Ref.No	Part No	Description	Remark
R662	1-246-980-00	CARBON 3.3 5%	1/8W F
R663	1-246-481-00	CARBON 2.2K 5%	1/4W
R664	1-214-147-00	METAL 4.3K 1%	1/4W F
R665	1-212-688-00	METAL 27K 1%	1/2W F
R666	1-212-685-00	METAL 20K 1%	1/2W F

R667	1-205-645-11	WIREWOUND 5.6K 5%	10W F
R668	1-217-465-21	FUSIBLE 0.47 5%	1W F
R669	1-247-040-00	CARBON 1.0K 5%	1/8W
R670	1-246-521-25	CARBON 100K 5%	1/4W
R671	1-246-498-00	CARBON 11K 5%	1/4W

R672	1-246-521-25	CARBON 100K 5%	1/4W
R673	1-246-473-00	CARBON 1K 5%	1/4W
R674	1-246-489-00	CARBON 4.7K 5%	1/4W
R675	1-217-418-00	FUSIBLE 0.47 10%	1/2W F
R676	1-217-465-21	FUSIBLE 0.47 5%	1W F

R677	1-246-449-00	CARBON 100 5%	1/4W
R678	1-247-033-11	CARBON 100 5%	1/8W F
R679	1-246-489-00	CARBON 4.7K 5%	1/4W

TRANSFORMER

T651	1-421-450-11	TRANSFORMER, INSULATING
T652	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE
T653	1-405-760-00	COIL, OSC

1-605-978-00 GB BOARD

TRANSFORMER

T654	1-421-448-14	TRANSFORMER, FERRITE (POT)
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MISCELLANEOUS

1-215-066-21	RES ASSY, HIGH-VOLTAGE MVR
1-228-484-11	RESISTOR ASSY, HIGH-VOLTAGE HVR
1-413-084-00	POWER BLOCK, X-Y
1-452-032-00	MAGNET, DISC 10MM ϕ

1-452-094-00	MAGNET ROTATABLE DISK 15MM ϕ
1-452-146-00	MAGNET, BMC
1-452-236-11	CRT NECK ASSY (1)
1-514-524-00	SLIDE SWITCH
1-536-600-00	TERMINAL, PUSH

1-536-693-12	TERMINAL BOARD, CONNECTOR
1-551-478-12	CORD, POWER
1-551-791-00	CONNECTOR ASSY (L) 2P
1-551-925-00	CONNECTOR ASSY (2.5MM) 3P
1-555-033-00	CONNECTOR ASSY, MINIATURE 3P

1-555-042-00	CONNECTOR ASSY (LARGE) 3P
1-555-180-00	CONNECTOR ASSY, MINIATURE 4P
1-555-225-00	CONNECTOR ASSY (LARGE) 1P
1-555-286-00	CONNECTOR PLUG ASSY 2P

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Ref.No	Part No	Description	Remark
	▲:1-555-302-00	CONNECTOR PLUG ASSY 6P	
	▲:1-555-328-00	CONNECTOR, PLUG HOUSING 1P	
	▲:1-555-352-00	CONNECTOR, MINIATURE 1P	
	▲:1-555-442-00	CONNECTOR ASSY (LARGE) 3P	
	▲:1-555-614-00	CONNECTOR ASSY (2.5MM) 3P	
	▲:1-555-867-00	CONNECTOR, MINIATURE 1P	
	▲:1-555-957-00	CONNECTOR ASSY (2.5MM) 2P	
	▲:1-555-958-00	CONNECTOR ASSY (2.5MM) 2P	
	▲:1-556-002-00	CONNECTOR ASSY (2.5MM) 6P	
	▲:1-556-016-00	CONNECTOR ASSY (2.5MM) 3P	
	▲:1-556-021-00	CONNECTOR ASSY 3P	
	▲:1-556-056-00	CONNECTOR ASSY (LARGE) 3P	
	▲:1-556-099-00	CONNECTOR ASSY (L) 2P	
	▲:1-556-104-00	CONNECTOR, MINIATURE 1P	
	▲:1-556-145-00	CONNECTOR ASSY, MINIATURE 3P	
	▲:1-556-147-00	CONNECTOR ASSY, MINIATURE 3P	
	▲:1-556-339-00	CONNECTOR ASSY (2.5MM) 3P	
	▲:1-556-652-00	CONNECTOR ASSY (2.5MM) 4P	
	▲:1-556-653-00	CONNECTOR ASSY (2.5MM) 4P	
	▲:1-556-698-00	CONNECTOR ASSY (2.5MM) 6P	
	▲:1-561-347-11	OUTLET, AC POWER	
	1-561-831-00	CONNECTOR, SHORT (SOCKET)	
	▲:1-605-977-00	PC BOARD, GA	
	▲:1-605-978-00	PC BOARD, GB	
L901	▲:1-426-059-21	COIL, DEGAUSSING	
L902	▲:1-426-059-21	COIL, DEGAUSSING	
L903	▲:1-451-156-51	DEFLECTION YOKE (SY-105)	
L904	▲:1-451-156-51	DEFLECTION YOKE (SY-105)	
Q1901	▲:8-729-372-53	TRANSISTOR 2SD725-04	
Q1902	8-729-372-53	TRANSISTOR 2SD725-04	
Q1903	▲:8-726-404-10	THYRISTOR SG264	
R1903	▲:1-217-618-11	RES, WIREWOUND 1/2 (15W)	
S1901	▲:1-553-262-31	SWITCH, PUSH (POWER SWITCH)	
T1551	▲:1-439-276-12	TRANSFORMER ASSY, FLYBACK	
T1901	▲:1-447-120-21	TRANSFORMER, POWER	
V901	▲:8-738-408-05	CRT (680DB22A)	

ACCESSORIES AND PACKING MATERIALS

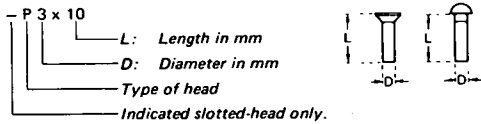
Part.No	Description	Remark
X-4354-304-0	PLATE ASSY, BOTTOM	
1-551-086-31	CORD, CONNECTION	
1-551-842-00	CORD, CONNECTION (RK-105A)	
1-561-790-00	CONNECTOR (SOCKET) 34P	
4-337-844-00	BAG, PROTECTION	
4-342-062-00	CUSHION (LEFT LOWER)	
4-342-063-00	CUSHION (RIGHT LOWER)	
4-342-064-00	CUSHION (LEFT UPPER)	
4-342-065-00	CUSHION (RIGHT UPPER)	
4-354-321-00	REINFORCEMENT	
4-354-332-00	INDIVIDUAL CARTON	
4-491-633-22	INSTRUCTION	
4-491-676-00	SCHEMATIC DIAGRAM (B2) (SONAM)	
4-493-798-21	MANUAL, INSTRUCTION	

NOTE:

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

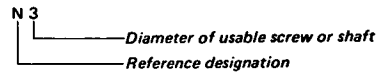
HARDWARE NOMENCLATURE

Screw:



Unless otherwise indicated, it means cross-recessed head (Phillips type).

Nut, Washer, Retaining ring:



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	binding-head (B) screw for replacement
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	

